

Natural Gas Monthly December 2001

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Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
<i>Natural Gas Weekly Update</i>	PDF	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1999
<i>Issues and Trends</i>	PDF	Comprehensive analysis of growth and change in the natural gas industry
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
<u>Databases</u>		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
Field Codes	EXE	Oil & Gas Field Code Master List
<u>Applications</u>		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Margaret Natof (202) 586-6303. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Notice

The Energy Information Administration (EIA) **will no longer print paper copies of the *Natural Gas Monthly* publication for mail list distribution** after release of the December 2001 report. The report will continue to be available on EIA's web site www.eia.doe.gov. Customers who do not have access to the Internet may call the National Energy Information Center (NEIC) to request a single print-on-demand copy (a black and white bound printed document). To take advantage of this service, please call the NEIC at 202-586-8800 or email them at infoctr@eia.doe.gov. This service is provided free of charge for a single copy. Please note: NEIC will not accept or print multiple copy orders.

Current subscribers will receive their final printed copy of the *Natural Gas Monthly* in January 2002 (the December 2001 report). After that, please check our web site each month for the report by doing the following:

Go to EIA's home page at www.eia.doe.gov
Under "By Fuel", click on "Natural Gas"
On the left sidebar, click on "Publications"
Scroll down to locate the *Natural Gas Monthly* and click on it

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
Btu	British Thermal Unit	MMcf	Million Cubic Feet
DOE	U.S. Department of Energy	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEO	Short Term Energy Outlook
IOGCC	Interstate Oil and Gas Compact Commission	Tcf	Trillion Cubic Feet
LNG	Liquefied Natural Gas		

Contents

Highlights	1
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Appendices

A. Explanatory Notes	73
B. Data Sources	79
C. Statistical Considerations	85
D. Articles, Special Focuses and Special Reports	91
E. Technical Contacts	93
Glossary	95

Tables

1. Summary of Natural Gas Production in the United States, 1995-2001	5
2. Supply and Disposition of Dry Natural Gas in the United States, 1995-2001	6
3. Natural Gas Consumption in the United States, 1995-2001	8
4. Selected National Average Natural Gas Prices, 1995-2001	10
5. U.S. Natural Gas Imports, by Country, 1995-2001	12
6. U.S. Natural Gas Exports, by Country, 1995-2001	14
7. Marketed Production of Natural Gas, by State, 1995-2001	15
8. Gross Withdrawals and Marketed Production of Natural Gas by State, August 2001	18
9. Underground Natural Gas Storage - All Operators, 1995-2001	19
10. Underground Natural Gas Storage - by Season, 1999-2002	21
11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1995-2001	22
12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1995-2001	23
13. Net Withdrawals from Underground Storage, by State, 1999-2001	24
14. Activities of Underground Natural Gas Storage Operators, by State, October 2001	28
15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001	29
16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001	33

17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001.	37
18. Natural Gas Deliveries to Electric Utility Consumers, by State, 1999-2001.	41
19. Natural Gas Deliveries to All Consumers, by State, 1999-2001.	45
20. Average City Gate Price, by State, 1999-2001.	49
21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001.	52
22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001	55
23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001	58
24. Average Price of Natural Gas Delivered to Electric Utility Consumers, by State, 1999-2001.	61
25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001	66
26. Gas Home Customer-Weighted Heating Degree Days	71
A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data	73
C1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, September 2001	90

Figures

1. Production and Consumption of Natural Gas in the United States, 1998-2001	7
2. Natural Gas Deliveries to Consumers in the United States, 1997-2001	9
3. Average Price of Natural Gas Delivered to Consumers in the United States, 1997-2001	11
4. Average Price of Natural Gas in the United States, 1997-2001	11
5. Working Gas in Underground Natural Gas Storage in the United States, 1998-2001	20
6. Percentage of Total Deliveries Represented by Onsystem Sales, 1997-2001	70

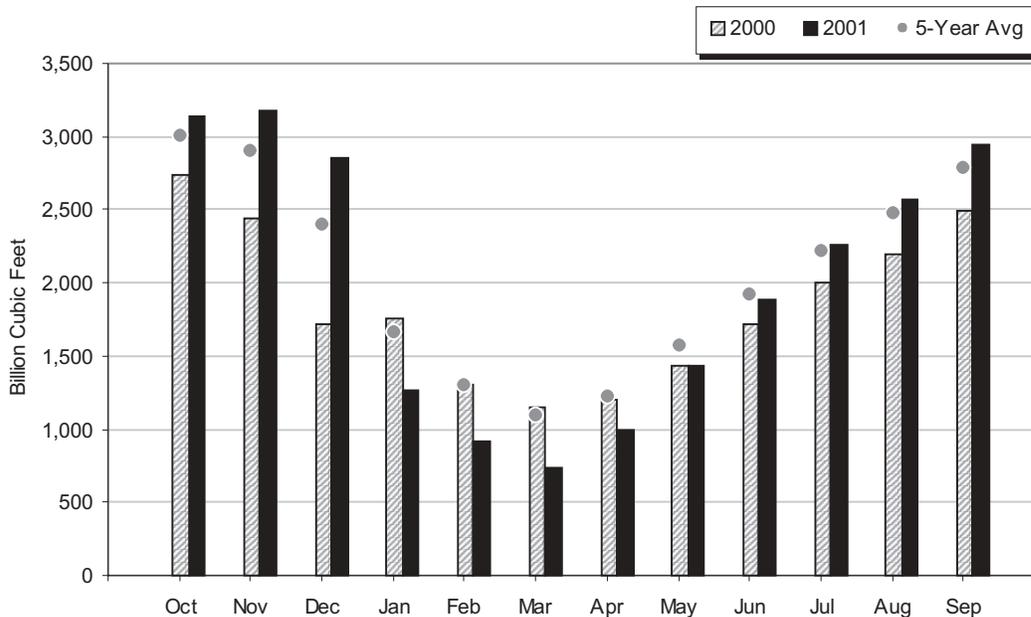
Highlights

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through December 2001 for many data series at the national level. National-level natural gas prices in 2001 are available through August (electric utilities), September (residential, commercial, and industrial), or November (wellhead). State-level data generally are available through September 2001, although underground storage data are available through October 2001.

Highlights from this issue of the *Natural Gas Monthly* are:

- Natural gas in underground storage facilities at the beginning of the 2001-2002 heating season (November through March) exceeded 3,000 billion cubic feet, the industry benchmark indicating plentiful supplies. Temperatures during the first months of the heating season have been relatively mild; for example, heating degree days in November 2001 were 25 percent below normal and 35 percent below that of November 2000 (Table 26). Net withdrawals from storage in December 2001 are estimated to have been 317 billion cubic feet, leaving 2,858 billion cubic feet of working gas at the end of the month (Table 10). This is 66 percent higher than at the end of De-

Figure H11. Working Gas in Underground Storage in the United States, 2000-2001



Note: The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1997 to 2001. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

Source: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Short-Term Integrated Forecasting System.

Table HI1. Natural Gas Production, Net Imports, and Consumption by End-Use Sector (Billion Cubic Feet per Day)

Supply and Consumption	1999	2000	2001
	January through December		
Selected Supplies			
Dry Production	51.6	51.9	52.9
Net Imports	9.4	9.7	10.0
End-Use Consumption			
Residential	12.9	13.6	13.0
Commercial	8.4	8.8	8.9
Industrial	24.7	26.0	24.5
	January through September		
Electric Utilities	9.3	9.0	7.9

Sources: Derived from Tables 2 and 3.

ember 2000, but the 2000-2001 heating season had started with only 2,732 billion cubic feet of working gas in storage (Figure HI1).

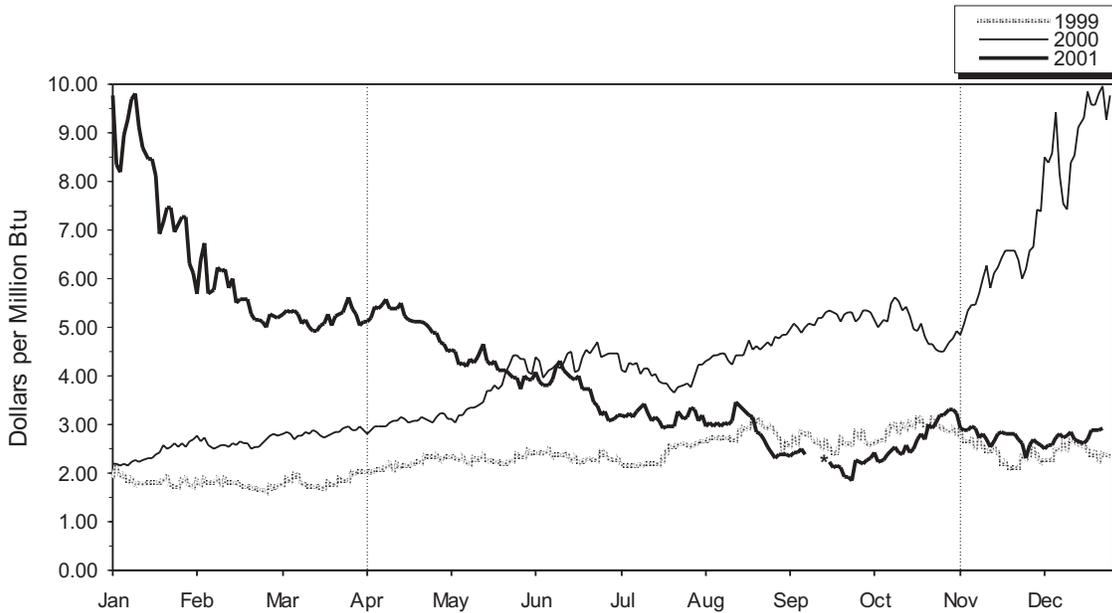
- Dry natural gas production in 2001 is estimated to have been 19,313 billion cubic feet (Table 1). This is the highest level of production since 1980 when 19,403 billion cubic feet was produced. The daily rate of production in 2001 was 52.9 billion cubic feet per day, which was 2 percent higher than in 2000 (Table HI1). On a monthly basis, production in 2001 was from 3 to 5 percent higher than in 2000 in each of the first 5 months of the year. Only in November and December 2001 was production slightly lower than in 2000.
- Net imports of natural gas, the majority of which come via pipeline from Canada, are estimated to have been 3,640 billion cubic feet in 2001 or 10.0 billion cubic feet per day. Net imports have increased every year since 1986, and 2001 set another record. Net imports in 2001 were 3 percent higher than in 2000.
- End-use consumption of natural gas in 2001 is estimated to have been 19,575 billion cubic feet or 53.6 billion cubic feet per day. The daily rate in 2001 is 6 percent lower than that of 2000. The residential, industrial, and electric utility sectors all used less natural gas in 2001 than in 2000, while commercial

use was relatively flat. On a monthly basis, residential consumption of natural gas was lower in 2001 compared with 2000 in every month beginning in May (Table 3). Industrial consumption was lower in all months except for 1-percent increases in March and July. Electric utility consumption of natural gas was lower in 2001 compared with 2000 in every month from January through September. In most months, the decline ranged from 11 to 24 percent.

- End-use prices for natural gas in 2001 were well above those of 2000, even though the national average wellhead price generally fell throughout the year. The average wellhead price began increasing in late 2000 and reached \$8.06 per thousand cubic feet in January 2001 (Table 4). The wellhead price generally declined throughout the rest of the year, falling to \$2.40 per thousand cubic feet in October 2001 before rising to \$2.74 per thousand cubic feet in November. However, prices remained well above those of 2000, especially early in the year. The cumulative average wellhead price for January through November 2001 is estimated to have been \$4.27 per thousand cubic feet, 22 percent higher than in 2000. End-use prices¹ reflect this higher average level. Residential and commercial prices for natural gas for January through September 2001 were 40 and 43 percent higher, respectively, than in 2000. The average industrial price,

¹ End-use prices in the residential, commercial, and industrial sectors are for onsystem gas sales only. While monthly onsystem sales are nearly 100 percent of residential deliveries, in 2001, they averaged 63 percent of commercial deliveries and only 15 percent of industrial deliveries (Table 4).

Figure HI2. Daily Futures Settlement Prices at the Henry Hub



* = New York Mercantile Exchange closed from 9/11/01 through 9/14/01.

Note: The futures price is for the near-month contract, that is, for the next contract to terminate trading. Contracts are traded on the New York Mercantile Exchange. April 1 is the beginning of the natural gas storage refill season. November 1 is the beginning of the heating season.

Source: *NGI's Daily Gas Price Index* and Commodity Futures Trading Commission, Division of Economic Analysis.

also through September, and the average electric utility price, through August, were 38 and 36 percent higher, respectively, than for the same periods in 2000.

- Settlement prices for the natural gas near-month futures contract on the New York Mercantile Ex-

change (NYMEX) for delivery at the Henry Hub reached their peak of \$9 to \$10 per million Btu from December 2000 through January 2001. Prices generally have fallen since then (Figure HI2). The contract for delivery in January 2002 closed on December 27, 2001, at \$2.555 per million Btu, only 26 percent of the closing price of the January 2001 contract.

Table 1. Summary of Natural Gas Production in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production (Wet)	Extraction Loss ^b	Dry Gas Production ^c
1995 Total	23,744	3,565	388	284	19,506	908	18,599
1996 Total	24,114	3,511	518	272	19,812	958	18,854
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998 Total	24,108	3,427	617	103	19,961	938	19,024
1999							
January	2,066	294	52	11	1,709	84	1,625
February	1,874	277	47	9	1,541	76	1,465
March	2,064	297	52	9	1,706	84	1,622
April	1,960	272	48	10	1,630	80	1,549
May	1,975	253	52	10	1,660	82	1,579
June	1,937	260	48	9	1,621	80	1,541
July	1,983	253	53	9	1,668	82	1,586
August	1,986	261	52	8	1,664	82	1,582
September	1,937	266	51	9	1,611	79	1,532
October	2,017	286	53	9	1,669	82	1,587
November	1,983	282	53	8	1,641	81	1,560
December	2,041	293	53	8	1,687	83	1,604
Total	23,823	3,293	615	110	19,805	973	18,832
2000							
January	2,061	302	51	8	1,700	86	1,614
February	1,917	289	50	10	1,569	80	1,489
March	2,085	307	54	7	1,717	87	1,630
April	1,966	282	51	10	1,623	82	1,540
May	2,009	264	52	8	1,686	86	1,600
June	1,971	268	52	8	1,643	83	1,560
July	2,024	264	53	11	1,697	86	1,611
August	2,042	275	53	8	1,707	87	1,620
September	1,985	279	52	8	1,647	84	1,563
October	2,088	302	53	8	1,725	88	1,638
November	1,986	297	45	7	1,636	83	1,553
December	2,019	306	54	7	1,652	84	1,568
Total	24,153	3,434	617	100	20,002	1,016	18,987
2001							
January	^{RE} 2,131	^E 320	^E 41	^E 9	^{RE} 1,761	^{RE} 89	^{RE} 1,671
February	^{RE} 1,928	^E 292	^E 38	^E 8	^{RE} 1,591	^E 81	^{RE} 1,510
March	^{RE} 2,154	^E 339	^E 41	^E 9	^{RE} 1,766	^E 90	^{RE} 1,676
April	^{RE} 2,058	^E 309	^E 38	^E 8	^{RE} 1,702	^{RE} 86	^{RE} 1,615
May	^{RE} 2,104	^E 302	^E 40	^E 9	^{RE} 1,754	^{RE} 89	^{RE} 1,665
June	^{RE} 1,984	^E 285	^E 37	^E 8	^{RE} 1,655	^{RE} 84	^{RE} 1,570
July	^{RE} 2,071	^E 287	^E 40	^E 10	^{RE} 1,734	^{RE} 88	^{RE} 1,646
August	^{RE} 2,058	^{RE} 295	^{RE} 40	^{RE} 10	^{RE} 1,714	^E 87	^{RE} 1,627
September	^{RE} 1,995	^{RE} 283	^E 38	^E 9	^E 1,665	^E 85	^E 1,580
October	^E 2,071	^E 292	^E 40	^E 10	^E 1,729	^E 88	^E 1,641
November(STIFS)	NA	NA	NA	NA	^{RE} 1,633	^E 83	^{RE} 1,550
December(STIFS)	NA	NA	NA	NA	^E 1,644	^E 84	^E 1,560
Total	NA	NA	NA	NA	^E 20,347	^E 1,034	^E 19,313

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^b Extraction loss is collected only on an annual basis. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Equal to marketed production (wet) minus extraction loss.

^E Estimated Data.

^{RE} Revised Estimated Data.

NA Not Available.

Notes: Data for 1995 through 2000 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1995 Total	18,599	110	2,687	415	-230	21,581
1996 Total	18,854	109	2,784	2	217	21,967
1997 Total	18,902	103	2,837	24	61	21,959
1998 Total	19,024	102	2,993	-530	-334	21,277
1999						
January	1,625	10	298	636	-40	2,530
February	1,465	8	273	328	53	2,127
March	1,622	9	286	303	-51	2,168
April	1,549	8	258	-92	65	1,789
May	1,579	8	277	-344	-13	1,506
June	1,541	6	268	-315	-75	1,426
July	1,586	8	283	-223	-124	1,530
August	1,582	8	299	-227	-89	1,574
September	1,532	7	290	-322	-47	1,459
October	1,587	8	294	-159	-153	1,577
November	1,560	8	287	33	-173	1,715
December	1,604	10	308	553	-264	2,211
Total	18,832	98	3,422	172	-897	21,620
2000						
January	1,614	9	308	799	-220	2,510
February	1,489	8	279	460	95	2,331
March	1,630	7	286	155	-28	2,051
April	1,540	6	277	-47	6	1,783
May	1,600	6	268	-237	-5	1,633
June	1,560	5	280	-291	-41	1,513
July	1,611	7	303	-296	-99	1,526
August	1,620	7	298	-201	-71	1,653
September	1,563	6	284	-297	-81	1,475
October	1,638	7	301	-247	-131	1,568
November	1,553	8	305	295	-252	1,909
December	1,568	9	349	735	-74	2,587
Total	18,987	86	3,538	829	-827	22,547
2001						
January	^{RE} 1,671	^E 13	346	467	^R 135	^R 2,632
February	^{RE} 1,510	^E 11	^R 302	338	^R 127	^R 2,287
March	^{RE} 1,676	^E 12	325	181	^R 14	^R 2,207
April	^{RE} 1,615	^E 9	^R 297	-276	^R 122	^R 1,767
May	^{RE} 1,665	^E 9	^R 300	-448	^R -46	^R 1,480
June	^{RE} 1,570	^E 8	^R 299	-422	^R -77	^R 1,379
July	^{RE} 1,646	^E 10	^R 335	-376	^R -90	^R 1,525
August	^{RE} 1,627	^E 9	^R 326	-305	^R -120	1,537
September	^E 1,580	^E 9	^{RE} 283	-368	^R -99	1,406
October	^E 1,641	^E 10	^E 268	-189	^E -270	^R 1,461
November(STIFS)	^{RE} 1,550	^E 10	^{RE} 266	^{RE} -31	^{RE} -178	^{RE} 1,617
December(STIFS)	^E 1,560	^E 13	^E 292	^E 317	^E -110	^E 2,072
Total	^E 19,313	^E 123	^E 3,640	^E -1,113	^E -592	^E 21,370

^a Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^b Monthly and annual data for 1995 through 2000 include underground storage and liquefied natural gas storage. Data for January 2001 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

^c Represents quantities lost and imbalances in data due to differences among data sources. Annual balancing item for 1997-2000 includes net intransit deliveries through the United States for natural gas not contained in the monthly net imports figures. These intransit deliveries were (in billion cubic feet): -65 for 2000; -8 for 1999; 22 for 1998; 31 for 1997. See Appendix A, Explanatory Note 9, for full discussion.

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

^R Revised Data.

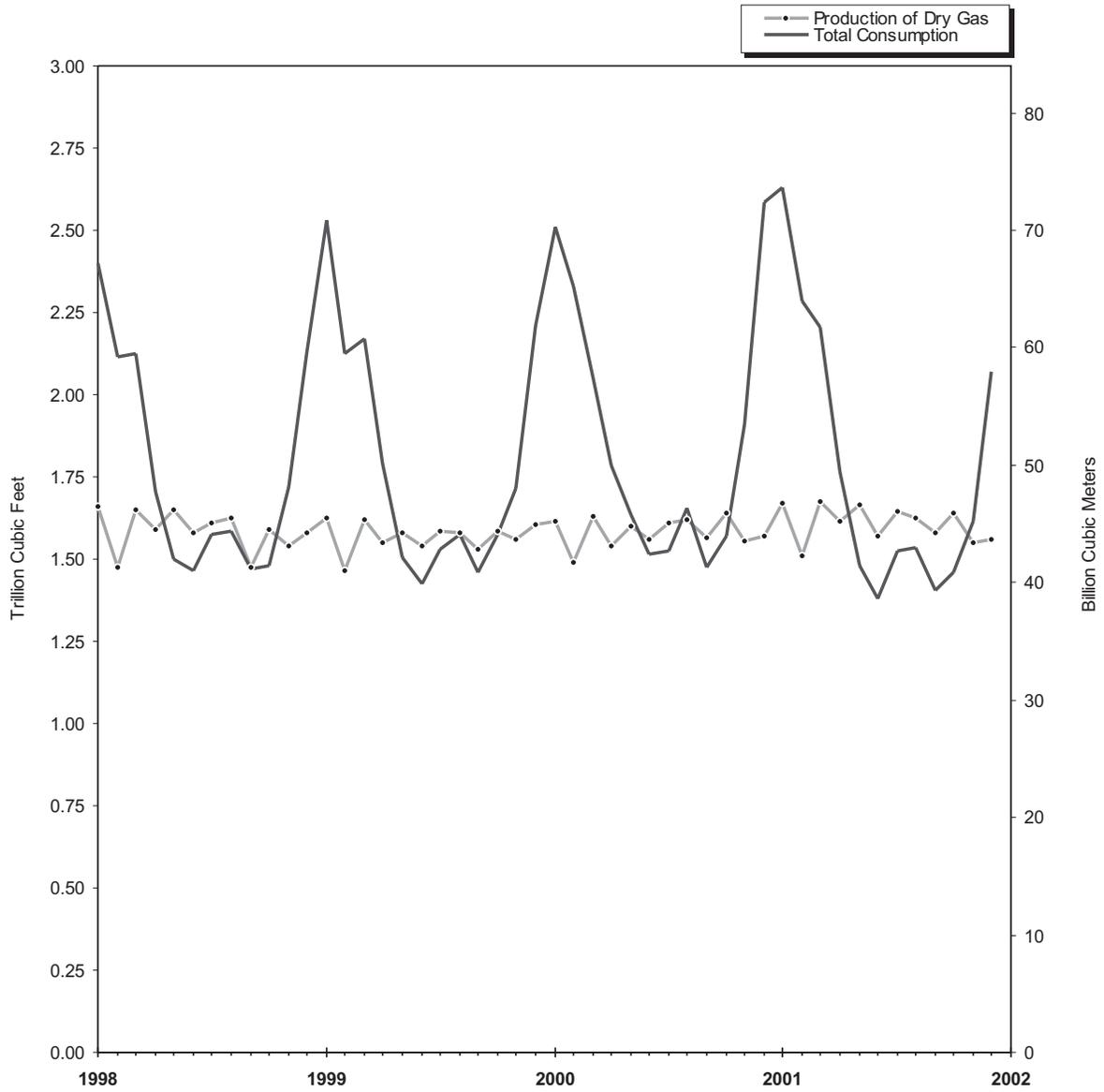
^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1995 through 2000 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, *"Natural Gas Imports and Exports."* See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1998-2001



Source: Table 2.

Table 3. Natural Gas Consumption in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers					Total Consumption
			Residential	Commercial ^c	Industrial	Electric Utilities	Total	
1995 Total	1,220	700	4,850	3,034	8,580	3,197	19,660	21,581
1996 Total	1,250	711	5,241	3,161	8,870	2,732	20,006	21,967
1997 Total	1,203	751	4,984	3,219	8,832	2,968	20,004	21,959
1998 Total	1,173	635	4,520	3,005	8,686	3,258	19,469	21,277
1999								
January	93	77	911	476	797	176	2,360	2,530
February	85	64	690	400	740	149	1,979	2,127
March	93	65	669	389	748	204	2,010	2,168
April	89	53	420	259	713	254	1,647	1,789
May	90	45	235	176	690	270	1,372	1,506
June	88	42	158	144	673	322	1,296	1,426
July	90	45	127	132	702	434	1,395	1,530
August	90	47	116	137	752	432	1,437	1,574
September	88	43	135	137	773	283	1,328	1,459
October	91	47	234	181	785	240	1,439	1,577
November	90	51	372	245	785	172	1,574	1,715
December	92	67	660	368	849	176	2,052	2,211
Total	1,079	645	4,726	3,050	9,006	3,113	19,895	21,620
2000								
January	96	73	862	454	835	190	2,342	2,510
February	89	67	774	423	809	167	2,174	2,331
March	97	59	550	353	785	208	1,894	2,051
April	92	51	401	259	767	215	1,640	1,783
May	94	46	228	183	772	309	1,492	1,633
June	92	43	154	150	767	307	1,378	1,513
July	95	43	128	139	746	373	1,387	1,526
August	96	47	122	153	825	410	1,510	1,653
September	93	42	141	151	765	284	1,340	1,475
October	98	44	236	184	793	213	1,426	1,568
November	93	55	482	293	806	180	1,761	1,909
December	94	75	913	475	843	187	2,418	2,587
Total	1,130	644	4,992	3,226	9,512	3,043	20,772	22,547
2001								
January	^{RE} 99	75	^R 982	^R 525	^R 794	157	^R 2,457	^R 2,632
February	^E 90	^R 65	^R 787	^R 450	^R 753	143	^R 2,132	^R 2,287
March	^E 100	63	^R 686	^R 395	^R 792	171	^R 2,045	^R 2,207
April	^{RE} 96	51	^R 409	^R 272	^R 729	211	^R 1,620	^R 1,767
May	^{RE} 99	^R 42	214	^R 192	697	235	^R 1,339	^R 1,480
June	^{RE} 93	39	^R 149	^R 164	^R 673	261	^R 1,246	^R 1,379
July	^{RE} 98	^R 44	^R 125	^R 149	^R 755	355	^R 1,383	^R 1,525
August	^E 97	44	^R 118	^R 155	^R 763	360	1,396	1,537
September	^E 94	^R 40	129	157	732	254	1,272	1,406
October(STIFS)	^E 95	^E 52	^E 201	^R 172	^R 742	NA	^R 1,314	^R 1,461
November(STIFS)	^E 93	^E 58	^{RE} 336	^{RE} 241	^{RE} 737	NA	^{RE} 1,466	^{RE} 1,617
December(STIFS)	^E 98	^E 68	^E 606	^E 364	^E 783	NA	^E 1,905	^E 2,072
Total	^E 1,153	^E 642	^E 4,742	^E 3,234	^E 8,951	NA	^E 19,575	^E 21,370

^a Plant fuel data and monthly lease fuel data are collected only annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is collected only on an annual basis. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Vehicle fuel is included in the annual total of deliveries to commercial consumers for 1995-2000 but not in the monthly volumes. Volumes delivered for use as vehicle fuel (in billion cubic feet) were 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, 5.1 in 1998, 5.7 in 1999, and 8.3 in 2000.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

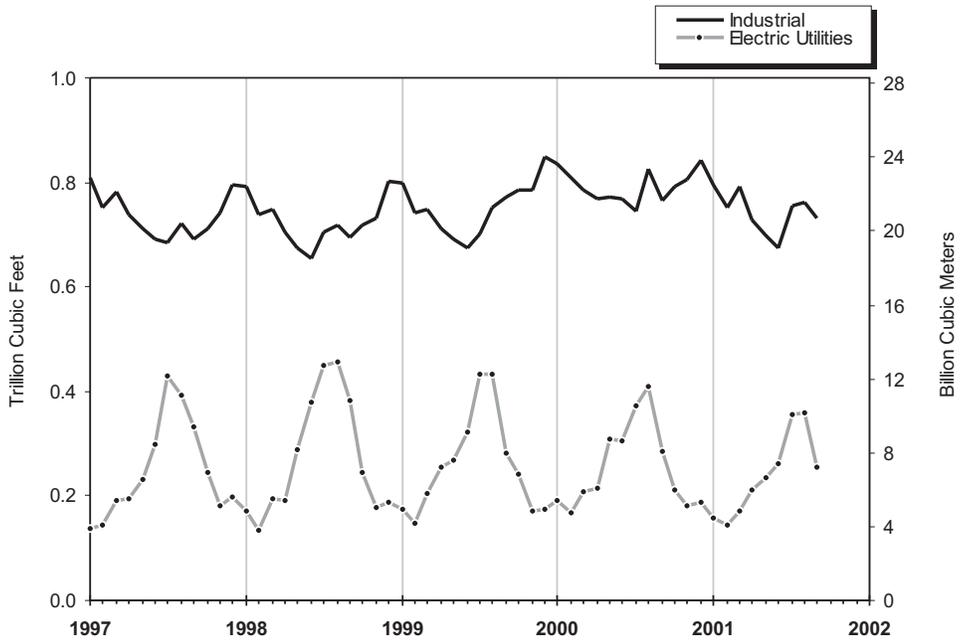
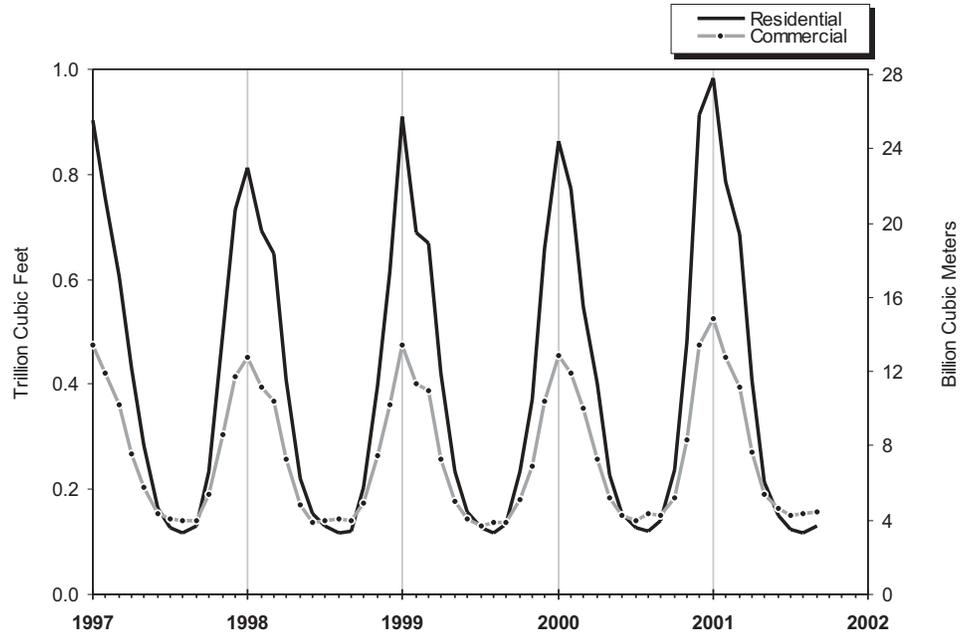
NA Not Available.

Notes: Data for 1995 through 2000 are final. All other data are

preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1995-2000: Energy Information Administration (EIA): Form EIA-895 "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 2000*. January 2001 through the current month: EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1997-2001



Source: Table 3.

Table 4. Selected National Average Natural Gas Prices, 1995-2001
(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total ^b	Price	% of Total ^b	
1995 Annual Average	1.55	2.78	6.06	5.05	76.7	2.71	24.5	2.02
1996 Annual Average	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69
1997 Annual Average	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78
1998 Annual Average	1.96	3.07	6.82	5.48	67.0	3.14	16.1	2.40
1999								
January	1.85	2.85	6.00	5.19	73.1	3.29	16.9	2.32
February	1.77	2.92	6.29	5.28	69.7	2.92	16.8	2.26
March	1.70	2.77	6.06	4.97	69.2	2.96	17.4	2.15
April	1.90	2.88	6.44	5.31	65.3	3.00	16.6	2.29
May	2.17	3.25	7.30	5.34	61.0	2.86	16.0	2.57
June	2.14	3.12	8.20	5.29	61.0	2.82	15.8	2.53
July	2.20	3.11	8.83	5.43	58.2	2.86	15.7	2.58
August	2.51	3.39	9.14	5.45	56.5	2.98	18.9	2.86
September	2.62	3.59	8.63	5.55	60.0	3.40	17.6	2.98
October	2.52	3.21	7.56	5.46	61.6	3.20	17.5	2.83
November	2.68	3.71	7.15	5.72	63.0	3.51	17.7	3.01
December	2.24	3.19	6.51	5.57	67.9	3.16	21.2	2.68
Annual Average	2.19	3.10	6.69	5.33	66.2	3.10	17.5	2.62
2000								
January	2.60	3.27	6.37	5.78	66.5	3.41	18.7	2.74
February	2.73	3.48	6.54	5.96	67.4	3.68	19.4	2.96
March	2.66	3.54	6.91	5.78	62.4	3.54	18.2	3.00
April	2.86	3.72	7.19	6.04	61.2	3.59	18.0	3.23
May	3.04	4.15	8.26	5.98	59.6	3.67	17.0	3.63
June	3.77	5.19	9.50	6.49	56.5	4.24	18.1	4.45
July	3.84	5.20	10.33	6.56	55.5	4.55	17.6	4.35
August	3.73	4.63	10.37	6.09	57.7	4.33	17.1	4.27
September	4.26	5.21	10.10	6.93	56.0	4.88	16.5	4.85
October	4.58	5.66	9.44	7.49	58.5	5.45	16.6	5.17
November	4.40	5.20	8.58	7.57	63.0	5.39	19.8	5.37
December	5.77	6.64	8.56	8.20	67.5	6.67	20.4	8.23
Annual Average	3.68	4.62	7.76	6.59	62.9	4.48	18.1	4.38
2001								
January	^E 8.06	8.90	^R 10.05	9.34	^R 69.0	8.68	15.8	9.47
February	^E 5.84	7.25	^R 10.34	^R 9.68	^R 66.9	7.28	15.6	6.85
March	^E 5.15	6.19	^R 9.87	^R 8.99	^R 65.8	6.35	14.4	5.69
April	^E 5.21	6.44	^R 10.16	^R 8.82	^R 63.4	6.13	13.8	5.70
May	^E 4.56	5.89	^R 10.94	^R 8.49	^R 56.5	5.41	12.0	5.14
June	^E 3.88	5.36	11.51	^R 6.92	^R 60.8	4.75	^R 12.1	4.51
July	^E 3.39	4.13	^R 11.02	^R 7.01	^R 53.3	^R 3.88	^R 17.9	3.83
August	^E 3.23	^R 4.40	10.70	^R 6.57	^R 53.7	^R 3.80	^R 17.2	3.72
September	^E 2.55	3.66	10.22	6.37	53.5	3.26	18.2	NA
October	^E 2.40	NA	NA	NA	NA	NA	NA	NA
November	^E 2.74	NA	NA	NA	NA	NA	NA	NA
2001 YTD^c	^E 4.27	6.53	10.27	8.64	63.0	5.45	15.3	5.12
2000 YTD^c	3.50	3.97	7.32	6.03	62.2	3.96	17.9	3.76
1999 YTD^c	2.19	3.01	6.62	5.24	66.5	3.02	16.9	2.51

^a See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for State data.

^c Year-to-date price represents months for which price information is available in the current year. The wellhead year-to-date price is 2 months ahead of the city gate, residential, commercial, and industrial year-to-date prices. The electric utility year-to-date price is 1 month behind the city gate, residential, commercial, and industrial year-to-date prices.

^R Revised Data.

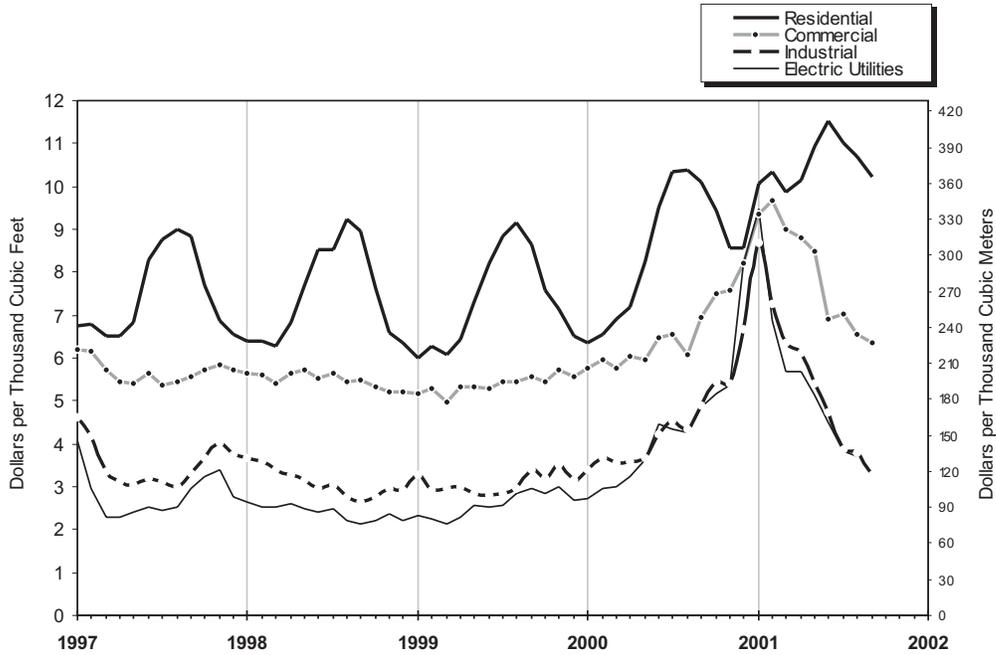
^E Estimated Data.

NA Not Available.

Notes: Data for 1995 through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

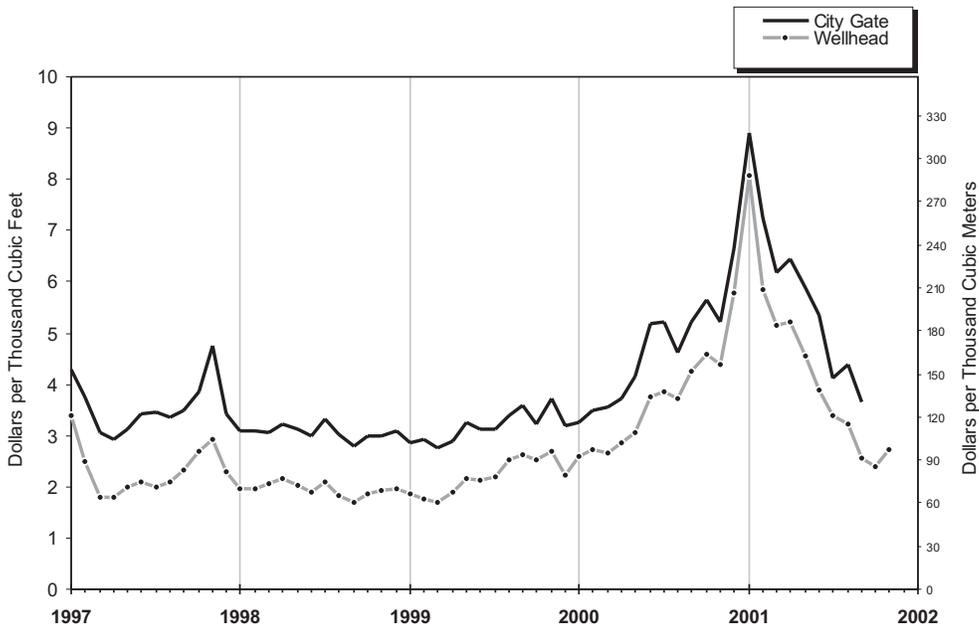
Sources: 1995-2000: Energy Information Administration (EIA) *Natural Gas Annual 2000*. January 2001 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1997-2001



Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 1997-2001



Source: Table 4.

Table 5. U.S. Natural Gas Imports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG					
	Canada		Mexico		Algeria		Australia		Nigeria	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1995 Total	2,816,408	1.48	6,722	1.53	17,918	2.30	0	—	0	—
1996 Total	2,883,277	1.96	13,862	2.25	35,325	2.70	0	—	0	—
1997 Total	2,899,152	2.15	17,243	2.31	65,675	2.67	9,686	2.92	0	—
1998 Total	3,052,073	1.95	14,532	2.03	68,567	2.51	11,634	3.30	0	—
1999										
January	292,833	2.02	4,891	1.74	13,066	2.42	0	—	0	—
February	269,126	1.90	4,398	1.69	7,684	2.51	2,557	3.55	0	—
March	287,769	1.77	751	1.60	13,090	2.44	0	—	0	—
April	257,065	1.83	4,193	2.02	7,637	2.35	0	—	0	—
May	275,219	2.18	6,844	1.94	3,898	2.13	0	—	0	—
June	260,240	2.13	4,978	2.12	2,528	2.17	2,314	2.33	0	—
July	278,424	2.17	3,877	2.21	5,134	2.18	0	—	0	—
August	288,717	2.39	6,028	2.61	2,554	2.17	2,302	2.37	0	—
September	280,798	2.64	4,643	2.39	7,593	2.49	0	—	0	—
October	287,177	2.50	4,168	2.49	5,118	2.48	2,309	2.42	0	—
November	284,514	2.85	6,463	2.31	2,440	2.85	0	—	0	—
December	305,663	2.32	3,296	2.08	5,021	2.51	2,422	2.76	0	—
Total	3,367,545	2.23	54,530	2.14	75,763	2.41	11,904	2.70	0	—
2000										
January	310,181	2.42	2,911	2.30	5,026	2.61	0	—	0	—
February	289,222	2.57	730	2.50	4,987	3.76	0	—	0	—
March	291,469	2.60	316	2.60	3,990	2.49	0	—	0	—
April	273,881	2.85	756	2.97	2,566	2.72	2,274	3.21	0	—
May	274,616	3.05	0	—	2,453	3.13	0	—	0	—
June	278,529	3.89	0	—	2,529	3.53	0	—	2,488	4.14
July	293,353	3.99	27	4.01	2,562	3.40	2,285	3.26	2,496	4.86
August	295,355	3.65	10	4.64	2,370	3.87	0	—	2,510	3.56
September	282,921	4.19	209	5.00	2,556	4.11	1,270	3.28	2,658	3.52
October	296,022	5.27	1,115	5.17	7,570	3.46	0	—	2,503	5.80
November	309,337	4.94	1,231	5.61	2,552	3.98	116	3.44	0	—
December	349,079	7.47	4,297	8.73	7,786	4.29	0	—	0	—
Total	3,543,966	3.97	11,601	5.43	46,947	3.48	5,945	3.25	12,654	4.37
2001										
January	^R 352,418	9.64	2,416	7.98	5,020	4.05	0	—	2,478	10.79
February	^R 305,922	6.49	1,139	5.45	7,658	5.52	0	—	5,068	6.25
March	^R 334,485	5.42	1,482	4.89	7,606	5.87	0	—	2,535	9.05
April	^R 295,990	5.40	2,102	5.11	5,009	3.88	0	—	4,822	5.42
May	^R 301,555	5.02	^R 157	^R 4.44	7,572	3.58	0	—	5,067	5.43
June	^R 297,431	3.92	0	—	^R 3,943	^R 2.71	0	—	7,547	4.92
July	^R 341,093	^R 3.12	0	—	7,754	^R 3.14	^R 1,187	^R 3.79	^R 2,888	^R 5.09
August	^R 335,626	^R 3.11	0	—	5,058	^R 2.73	^R 1,207	^R 3.92	2,606	^R 2.99
September	^R 294,620	^R 2.58	^R 0	—	5,087	^R 2.76	0	—	^R 4,955	^R 3.30
October	^E 295,541	NA	^E 0	—	5,001	NA	0	—	0	—
2001 YTD	^E3,154,680	NA	^E7,295	6.05	59,708	NA	2,394	3.86	37,966	5.56
2000 YTD	2,885,550	3.45	6,073	3.05	36,608	3.28	5,829	3.24	12,654	4.37
1999 YTD	2,777,368	2.16	44,771	2.13	68,302	2.39	9,482	2.69	0	—

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	0	—	0	—	0	—	0	—	2,841,048	1.49
1996 Total	0	—	0	—	4,949	3.46	0	—	2,937,413	1.97
1997 Total	0	—	0	—	2,417	3.74	0	—	2,994,173	2.17
1998 Total	0	—	0	—	5,252	2.63	0	—	3,152,058	1.97
1999										
January	0	—	0	—	0	—	0	—	310,790	2.03
February	2,647	2.72	0	—	0	—	0	—	286,412	1.93
March	0	—	0	—	0	—	0	—	301,610	1.80
April	2,492	1.91	0	—	0	—	0	—	271,387	1.85
May	0	—	5,493	1.88	0	—	0	—	291,454	2.17
June	2,417	1.94	6,619	2.08	0	—	0	—	279,096	2.13
July	2,388	2.61	6,599	2.11	0	—	0	—	296,422	2.18
August	0	—	9,904	2.33	0	—	^a 2,576	2.36	312,081	2.39
September	4,987	2.74	4,393	2.55	0	—	0	—	302,414	2.63
October	0	—	5,865	2.57	0	—	0	—	304,637	2.50
November	2,374	3.45	6,648	2.85	2,713	3.03	0	—	305,152	2.85
December	2,392	3.59	5,256	2.83	0	—	0	—	324,050	2.34
Total	19,697	2.71	50,777	2.39	2,713	3.03	^a2,576	2.36	3,585,505	2.24
2000										
January	0	—	7,780	3.01	0	—	0	—	325,897	2.44
February	0	—	5,168	2.91	0	—	0	—	300,107	2.60
March	2,428	2.79	8,393	2.89	0	—	0	—	306,596	2.61
April	7,254	2.71	7,285	3.05	0	—	0	—	294,016	2.86
May	0	—	10,723	3.05	0	—	0	—	287,793	3.05
June	2,385	2.76	7,390	3.48	2,725	3.53	0	—	296,046	3.87
July	4,793	3.97	14,307	3.30	0	—	^b 2,464	2.86	322,285	3.94
August	7,167	3.15	8,435	3.30	0	—	^b 2,461	2.86	318,308	3.62
September	7,625	3.97	4,864	2.98	0	—	^b 2,740	4.20	304,843	4.15
October	7,165	4.14	7,392	3.65	0	—	^c 2,760	3.99	324,527	5.16
November	7,241	3.32	6,950	3.85	0	—	^b 2,333	3.44	329,759	4.86
December	0	—	10,262	5.14	0	—	0	—	371,425	7.35
Total	46,057	3.44	98,949	3.43	2,725	3.53	12,758	3.50	3,781,603	3.95
2001										
January	0	—	9,215	6.81	0	—	0	—	^R 371,546	9.49
February	0	—	6,635	4.78	0	—	^b 2,738	8.70	^R 329,160	6.44
March	2,400	3.17	9,221	4.55	0	—	0	—	^R 357,730	5.42
April	2,452	6.60	8,028	4.26	0	—	^b 1,702	4.65	^R 320,105	5.35
May	4,975	4.47	9,530	4.15	0	—	0	—	^R 328,855	4.96
June	3,076	5.82	10,407	3.77	0	—	^b 1,616	3.99	^R 324,020	^R 3.94
July	^R 4,934	^R 3.97	6,701	^R 3.95	0	—	^{Rb} 1,635	^R 4.65	^R 366,192	^R 3.17
August	0	—	^R 7,519	^R 3.60	0	—	^{Rb} 2,728	^R 4.99	^R 354,744	^R 3.13
September	4,919	^R 3.24	5,230	^R 3.68	0	—	^b 1,635	^R 4.65	^R 316,447	^R 2.63
October	0	—	6,597	NA	0	—	^d 2,563	NA	^E 309,702	NA
2001 YTD	22,758	4.37	79,082	NA	0	—	14,618	NA	^E3,378,500	NA
2000 YTD	38,816	3.47	81,737	3.18	2,725	3.53	10,425	3.51	3,080,419	3.44
1999 YTD	14,931	2.45	38,873	2.25	0	—	2,576	2.36	2,956,303	2.17

^a Received from Malaysia.^b Received from Oman.^c Received from Indonesia.^d Received from Cayman Islands.^R Revised Data.^E Estimated Data.

NA Not Available.

— Not Applicable.

Sources: January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6. U.S. Natural Gas Exports, by Country, 1995-2001
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	27,554	1.96	61,283	1.50	65,283	3.41	0	—	154,119	2.39
1996 Total	51,905	2.67	33,840	2.11	67,648	3.65	0	—	153,393	2.97
1997 Total	56,447	2.52	38,372	2.46	62,187	3.83	0	—	157,006	3.02
1998 Total	39,891	2.25	53,133	2.04	65,951	2.91	33	5.69	159,007	2.45
1999										
January	2,264	1.92	4,526	1.81	5,586	2.95	24	7.41	12,400	2.36
February	2,564	1.93	4,777	1.72	5,564	2.94	29	7.39	12,934	2.30
March	4,494	1.80	5,950	1.62	5,570	2.88	21	7.33	16,035	2.11
April	2,246	1.80	5,049	1.87	5,687	2.77	19	7.13	13,001	2.26
May	2,212	2.26	6,108	2.27	5,644	2.78	24	7.42	13,988	2.48
June	1,953	2.14	5,278	2.29	3,754	2.77	18	7.28	11,003	2.44
July	1,987	2.19	5,612	2.31	5,675	2.88	20	7.14	13,294	2.54
August	2,018	2.41	5,398	2.70	5,643	3.11	20	7.36	13,079	2.84
September	1,959	2.80	5,267	2.89	5,605	3.23	21	7.26	12,852	3.03
October	2,339	2.63	4,086	2.68	3,723	3.28	13	7.07	10,161	2.89
November	8,018	2.95	5,001	2.89	5,579	3.56	30	5.85	18,628	3.12
December	6,454	2.39	3,973	2.28	5,577	3.81	36	5.82	16,040	2.86
Total	38,508	2.35	61,025	2.27	63,607	3.08	275	6.95	163,415	2.61
2000										
January	6,234	2.50	5,937	2.39	5,569	4.04	36	5.82	17,776	2.95
February	9,017	2.70	6,394	2.62	5,566	4.08	37	5.82	21,015	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,505	3.00
April	3,093	2.86	8,222	2.94	5,670	4.25	30	5.82	17,015	3.37
May	3,732	3.15	10,338	3.23	5,709	4.27	31	5.82	19,810	3.52
June	3,742	4.11	8,714	4.30	3,763	4.34	30	5.82	16,249	4.27
July	3,762	4.37	10,157	4.52	5,597	4.36	29	5.82	19,546	4.45
August	3,900	3.90	11,248	4.16	5,598	4.22	29	5.82	20,775	4.13
September	4,682	4.76	10,265	5.07	5,592	4.37	28	5.82	20,568	4.81
October	5,327	5.26	10,197	5.31	7,512	4.51	35	5.82	23,070	5.04
November	9,877	3.97	9,154	4.78	5,686	4.49	51	5.82	24,767	4.39
December	10,169	4.32	6,834	8.57	5,579	4.51	38	5.82	22,621	5.65
Total	72,586	3.66	105,102	4.26	65,610	4.31	418	5.82	243,716	4.10
2001										
January	11,818	7.07	8,111	10.34	5,571	4.68	47	5.82	25,547	7.58
February	15,796	5.44	8,009	7.06	3,714	4.73	42	5.82	27,561	5.82
March	19,691	4.48	7,110	6.22	5,569	4.70	42	5.82	32,412	4.90
April	12,213	5.59	5,326	7.10	5,594	4.25	34	5.82	23,167	5.61
May	13,328	4.95	9,940	6.88	5,677	4.22	35	5.82	28,981	5.47
June	9,543	3.96	11,183	5.27	3,780	4.28	23	5.82	24,529	4.61
July	^R 10,348	^R 3.39	^R 14,939	^R 3.53	5,665	^R 4.27	^R 32	^R 5.82	^R 30,984	^R 3.62
August	^R 7,577	^R 3.20	^R 15,531	^R 3.31	5,684	^R 4.29	^R 33	^R 5.82	^R 28,824	^R 3.48
September	^R 10,012	^R 2.47	^R 17,610	^R 2.45	5,676	^R 4.39	^R 35	^R 5.82	^R 33,332	^R 2.79
October	^E 16,177	NA	^E 17,610	NA	7,576	NA	NA	NA	^E 41,363	NA
2001 YTD	^E 126,501	NA	^E 115,369	NA	54,506	NA	NA	NA	^E 296,700	NA
2000 YTD	52,541	3.48	89,113	3.88	54,344	4.27	330	5.82	196,328	3.88
1999 YTD	24,036	2.14	52,051	2.21	52,451	2.95	209	7.30	128,747	2.51

^R Revised Data.
^E Estimated Data.
^{NA} Not Available.
— Not Applicable.

Sources: January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001
(Million Cubic Feet)

Table 7

Year and Month	Alabama ^b	Alaska	Arizona	California	Colorado	Florida	Kansas
1995 Total	519,661	469,550	558	279,555	523,084	6,463	721,436
1996 Total	530,841	480,828	463	286,494	572,071	6,006	712,796
1997 Total	583,272	468,311	452	285,690	637,375	6,114	687,215
1998 Total	562,714	466,648	457	315,277	696,321	5,796	603,586
1999							
January	47,502	43,013	31	31,961	60,326	511	52,200
February	43,520	38,930	27	27,952	61,878	503	43,801
March	44,693	42,128	35	30,224	59,130	604	47,290
April	41,776	38,249	37	28,811	57,597	548	45,904
May	47,201	35,039	39	31,170	61,117	537	46,147
June	46,758	35,938	44	30,778	58,183	442	46,452
July	46,842	35,896	60	33,356	59,848	499	46,254
August	45,814	35,853	51	34,047	60,311	480	45,902
September	44,408	36,627	43	33,273	58,270	501	44,294
October	45,262	39,617	43	34,685	61,557	427	45,342
November	45,176	39,158	35	33,373	60,291	408	44,094
December	46,511	42,517	28	33,085	64,230	473	45,740
Total	545,464	462,967	474	382,715	722,738	5,933	553,419
2000							
January	46,526	42,242	37	31,663	65,091	564	49,597
February	44,084	38,430	26	27,675	60,155	547	41,606
March	43,869	42,505	27	29,706	64,390	653	44,924
April	43,318	37,290	28	28,970	61,056	595	43,591
May	44,231	33,531	31	30,981	65,137	575	43,837
June	43,196	35,890	32	30,558	59,184	474	44,129
July	43,985	35,559	32	32,823	62,541	544	43,938
August	43,790	35,910	33	33,111	64,332	533	43,603
September	40,731	37,148	33	32,377	62,304	550	42,078
October	42,755	39,354	33	33,723	63,606	472	43,078
November	42,511	38,897	32	32,540	63,005	465	41,891
December	43,614	42,239	24	32,454	62,182	519	43,457
Total	522,610	458,995	368	376,580	752,985	6,491	525,729
2001							
January	30,460	42,459	31	32,450	[£] 62,027	454	41,780
February	27,096	38,318	28	29,821	[£] 59,310	397	36,909
March	29,918	42,727	31	32,074	[£] 61,791	436	40,535
April	28,857	39,572	32	30,325	[£] 59,791	499	39,420
May	29,736	35,882	28	32,404	[£] 62,480	440	39,967
June	[£] 29,768	34,653	25	31,753	[£] 58,715	473	38,721
July	[£] 30,616	37,163	26	31,644	[£] 61,195	553	40,646
August	[£] 30,207	37,228	24	31,826	[£] 62,205	531	[£] 41,263
2001 YTD	[£]236,658	308,002	226	252,299	[£]487,514	3,782	[£]319,243
2000 YTD	353,000	301,357	246	245,485	501,887	4,485	355,224
1999 YTD	364,107	305,047	325	248,299	478,390	4,124	373,950

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001

(Million Cubic Feet) — Continued

Year and Month	Louisiana ^b	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1995 Total	5,108,366	238,203	95,533	50,264	1,625,837	49,468	1,811,734
1996 Total	5,289,742	245,740	103,263	50,996	1,554,087	49,674	1,734,887
1997 Total	5,229,821	305,950	107,300	52,437	1,558,633	52,401	1,703,888
1998 Total	5,277,188	278,076	108,068	57,645	1,501,098	53,185	1,669,367
1999							
January	452,792	20,743	9,152	5,235	129,321	4,408	136,464
February	411,783	8,426	8,678	4,768	116,787	3,931	122,201
March	456,310	40,112	9,933	5,240	128,657	4,227	134,867
April	445,378	22,574	9,426	4,889	126,045	4,299	125,888
May	451,583	25,240	9,708	5,057	125,612	4,345	127,160
June	434,276	25,084	9,480	4,666	125,381	4,333	127,425
July	451,139	23,988	9,542	5,178	127,971	4,578	133,654
August	446,931	19,154	9,406	5,123	130,728	4,542	144,298
September	425,994	24,652	9,198	5,026	124,664	4,432	131,722
October	436,344	13,540	9,050	5,305	130,728	4,613	140,024
November	425,016	21,676	8,608	5,048	127,749	4,534	136,279
December	438,183	32,175	8,840	5,629	118,027	4,622	134,021
Total	5,275,730	277,364	111,021	61,163	1,511,671	52,862	1,594,002
2000							
January	421,366	22,586	8,241	6,003	145,404	4,585	140,183
February	392,889	15,849	5,386	5,480	137,819	4,116	125,741
March	429,630	33,893	7,350	6,016	147,050	4,291	140,811
April	415,525	12,551	6,785	5,614	137,212	4,278	132,697
May	428,197	26,709	7,527	5,809	143,431	4,543	136,652
June	413,358	17,328	6,938	5,369	136,470	4,322	136,693
July	431,309	30,404	7,347	5,888	141,810	4,505	138,946
August	434,049	33,002	7,571	5,833	139,961	4,320	139,930
September	421,580	24,743	7,227	5,723	139,149	4,329	132,330
October	435,279	38,453	7,958	6,039	141,187	4,490	145,745
November	417,355	25,882	7,693	5,741	136,170	4,178	119,411
December	428,327	15,156	8,535	6,422	141,754	4,469	123,749
Total	5,068,863	296,556	88,558	69,936	1,687,416	52,426	1,612,890
2001							
January	467,724	27,354	8,958	6,555	138,892	4,537	[£] 141,360
February	428,810	13,735	7,749	5,906	126,673	4,019	[£] 129,640
March	474,754	29,621	8,398	6,364	137,458	4,548	[£] 143,530
April	459,439	20,195	9,892	6,215	132,246	4,564	[£] 138,900
May	474,308	35,791	10,332	6,273	126,566	4,569	[£] 143,395
June	451,891	17,942	8,440	6,036	[£] 120,771	4,349	[£] 138,768
July	476,016	20,115	9,313	6,452	[£] 125,274	4,649	[£] 143,395
August	455,170	26,818	[£] 9,093	6,308	[£] 126,287	4,753	[£] 142,600
2001 YTD	3,688,112	191,571	[£]72,175	50,110	[£]1,034,167	35,988	[£]1,121,588
2000 YTD	3,366,322	192,322	57,145	46,012	1,129,157	34,960	1,091,654
1999 YTD	3,550,193	185,321	75,324	40,155	1,010,503	34,662	1,051,956

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
1995 Total	1,923	6,330,048	241,290	673,775	759,728	19,506,474
1996 Total	1,439	6,470,620	250,767	666,036	805,491	19,812,241
1997 Total	1,173	6,453,873	257,139	738,368	736,679	19,866,093
1998 Total	1,067	6,408,444	277,340	903,836	775,235	19,961,348
1999						
January	83	536,883	23,467	82,165	73,022	1,709,279
February	84	487,494	21,141	74,676	64,209	1,540,789
March	120	528,309	23,878	82,039	67,861	1,705,658
April	111	513,779	22,076	77,986	64,148	1,629,521
May	113	526,667	22,771	75,615	65,032	1,660,154
June	111	508,884	21,828	77,487	63,027	1,620,577
July	110	522,686	21,707	79,610	64,718	1,667,637
August	74	516,905	21,493	79,528	63,445	1,664,085
September	90	502,383	19,725	81,086	64,276	1,610,663
October	124	522,711	21,610	87,684	70,415	1,669,079
November	134	516,467	21,364	82,890	68,512	1,640,813
December	138	528,445	21,554	90,463	71,915	1,686,596
Total	1,291	6,211,613	262,614	971,230	800,579	19,804,848
2000						
January	124	522,128	22,008	92,837	79,277	1,700,461
February	105	488,863	20,526	84,714	74,653	1,568,663
March	107	531,944	21,916	90,043	78,056	1,717,180
April	99	507,411	21,255	87,761	76,693	1,622,729
May	102	529,617	22,525	90,699	71,637	1,685,770
June	94	523,281	21,638	87,579	76,514	1,643,048
July	90	531,434	22,772	90,281	72,583	1,696,792
August	96	531,705	22,864	90,812	75,554	1,707,010
September	97	509,474	22,664	89,472	75,066	1,647,075
October	109	526,000	23,374	95,215	78,431	1,725,300
November	97	508,353	22,943	91,715	77,322	1,636,200
December	93	495,039	24,801	97,201	82,022	1,652,058
Total	1,214	6,205,249	269,285	1,088,328	917,808	20,002,287
2001						
January	^E 86	539,175	24,309	^E 110,385	^{RE} 81,856	^{RE} 1,760,852
February	^E 78	485,370	22,368	^E 100,161	^{RE} 74,185	^{RE} 1,590,574
March	^E 93	536,836	24,876	^E 113,534	^{RE} 78,145	^{RE} 1,765,669
April	^E 87	523,416	24,381	^E 108,780	^{RE} 75,056	^{RE} 1,701,669
May	^E 89	539,296	24,261	^E 114,319	^{RE} 73,630	^{RE} 1,753,765
June	^E 86	508,546	23,502	^E 105,973	^{RE} 74,129	^{RE} 1,654,543
July	^E 85	539,802	22,972	^E 109,964	^{RE} 74,298	^{RE} 1,734,179
August	^E 76	534,645	22,826	^E 108,258	^E 74,290	^E 1,714,407
2001 YTD	^E 680	4,207,086	189,495	^E 871,374	^E 605,589	^E 13,675,659
2000 YTD	818	4,166,383	175,503	714,726	604,967	13,341,654
1999 YTD	805	4,141,607	178,361	629,108	525,461	13,197,698

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 2001 and later data monthly values for these States are estimated.

^b For Alabama and Louisiana, all data for 1995 through 2000 include Federal Offshore production. For 2001, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

^c Federal offshore production volumes are included.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1995 through 2000 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1995-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

**Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State,
August 2001**
(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	£32,697	£514	£33,211	£1,078	£1,846	£81	£30,207
Alaska	15,765	258,346	274,110	236,337	0	545	37,228
Arizona	23	0	24	0	0	0	24
California	7,694	27,150	34,844	2,707	210	102	31,826
Colorado	£54,025	£8,795	£62,820	£546	0	£68	£62,205
Florida	0	£600	600	0	69	0	531
Kansas	£37,506	£3,869	£41,375	£70	0	£41	£41,263
Louisiana	400,547	60,214	460,760	3,614	0	1,977	455,170
Michigan	21,827	5,457	27,283	192	0	273	26,818
Mississippi	£10,795	£406	£11,201	£514	£1,352	£243	£9,093
Montana	5,589	753	6,342	3	0	31	6,308
New Mexico	£120,685	£16,840	£137,525	£1,534	£9,496	£208	£126,287
North Dakota	1,193	3,850	5,042	0	8	282	4,753
Oklahoma	£128,914	£13,686	£142,600	£0	£0	£0	£142,600
Oregon	£89	0	£89	0	£12	0	£76
Texas	474,049	114,706	588,755	38,101	13,532	2,477	534,645
Utah	22,079	2,996	25,075	41	0	2,208	22,826
Wyoming	£118,208	£13,504	131,713	£9,982	£12,485	£988	£108,258
Other States	£72,394	£2,573	£74,967	0	£523	£153	£74,290
Total	£1,524,079	£534,258	£2,058,336	£294,719	£39,534	£9,677	£1,714,407

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^e Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components

because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Source: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1995-2001

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^c
1995 Total^a	4,349	2,153	6,503	-453	-17.4	2,566	2,974	408
1996 Total^a	4,341	2,173	6,513	19	0.9	2,906	2,911	6
1997 Total^a	4,350	2,175	6,525	2	0.1	2,800	2,824	24
1998 Total^a	4,326	2,730	7,056	554	25.5	2,905	2,379	-526
1999								
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
Total	—	—	—	—	—	2,598	2,772	174
2000								
January	4,379	1,760	6,139	-312	-15.1	59	841	782
February	4,378	1,304	5,681	-445	-25.3	83	533	450
March	4,364	1,153	5,517	-255	-18.0	139	291	152
April	4,362	1,203	5,565	-297	-19.6	192	146	-46
May	4,362	1,433	5,795	-404	-21.9	313	82	-231
June	4,361	1,717	6,079	-435	-20.1	349	65	-284
July	4,362	2,003	6,365	-379	-15.8	372	83	-289
August	4,361	2,199	6,560	-414	-15.8	305	109	-196
September	4,360	2,494	6,855	-432	-14.7	370	80	-291
October	4,360	2,732	7,092	-345	-11.1	329	88	-241
November	4,361	2,442	6,803	-628	-20.3	108	396	288
December	4,352	1,719	6,071	-806	-31.9	66	785	720
Total	—	—	—	—	—	2,684	3,498	814
2001								
January	4,344	1,265	5,609	-495	-28.1	93	559	467
February	4,328	912	5,241	-391	-30.0	71	409	338
March	4,300	742	5,042	-412	-35.7	113	293	181
April	4,261	992	5,253	-210	-17.5	345	68	-276
May	4,309	1,440	5,749	7	0.5	488	41	-448
June	4,310	1,882	6,193	165	9.6	470	48	-422
July	4,315	2,261	6,576	258	12.9	441	64	-376
August	4,313	2,576	6,889	377	17.1	384	79	-305
September	4,318	2,944	7,262	450	18.0	409	41	-368
October	4,310	3,144	7,454	412	15.1	281	92	-189
November(STIFS)	^{RE} 4,310	^{RE} 3,175	^{RE} 7,485	^{RE} 733	^{RE} 30.0	NA	NA	^{RE} -31
December(STIFS)	^E 4,310	^E 2,858	^E 7,168	^E 1,139	^E 66.3	NA	NA	^E 317
Total	—	—	—	—	—	NA	NA	^E -1,113

^a Total as of December 31.^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1995 - 7,953; 1996 - 7,980; 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; and 2000 - 8,241.^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.^E Estimated Data.^{RE} Revised Estimated Data.

NA Not Available.

— Not Applicable.

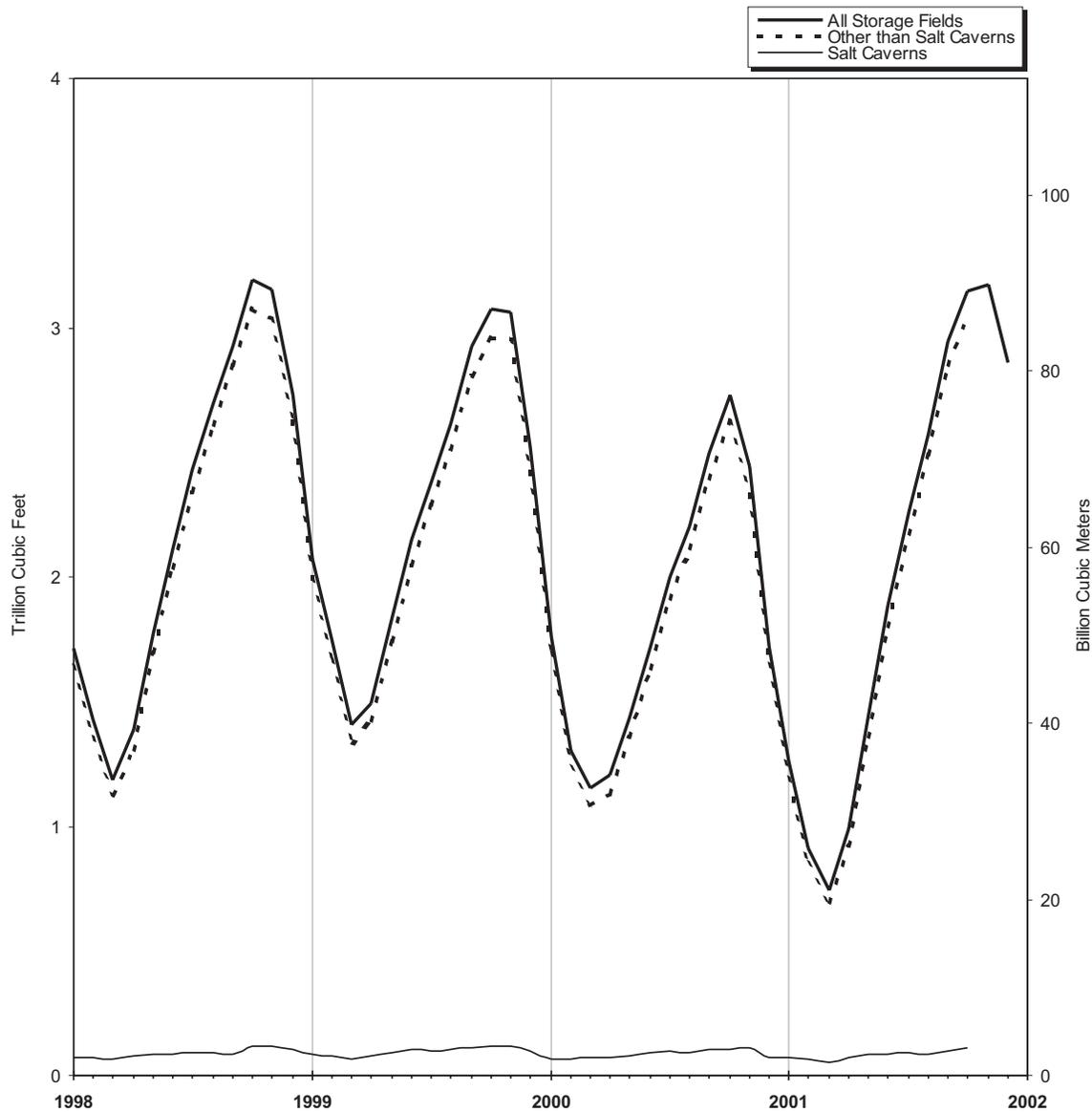
Notes: Data for 1995 through 2000 are final. All other data are

preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1998-2001



Sources: Tables 10, 11 and 12.

Table 10. Underground Natural Gas Storage - by Season, 1999-2002
(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
March 1999	4,383	1,406	5,789	223	18.9	87	384	297
1999 Refill Season								
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
Total	—	—	—	—	—	2,154	511	-1,643
1999-2000 Heating Season								
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
January	4,379	1,760	6,139	-312	-15.1	59	841	782
February	4,378	1,304	5,681	-445	-25.3	83	533	450
March	4,364	1,153	5,517	-255	-18.0	139	291	152
Total	—	—	—	—	—	517	2,476	1,959
2000 Refill Season								
April	4,362	1,203	5,565	-297	-19.6	192	146	-46
May	4,362	1,433	5,795	-404	-21.9	313	82	-231
June	4,361	1,717	6,079	-435	-20.1	349	65	-284
July	4,362	2,003	6,365	-379	-15.8	372	83	-289
August	4,361	2,199	6,560	-414	-15.8	305	109	-196
September	4,360	2,494	6,855	-432	-14.7	370	80	-291
October	4,360	2,732	7,092	-345	-11.1	329	88	-241
Total	—	—	—	—	—	2,230	651	-1,579
2000-2001 Heating Season								
November	4,361	2,442	6,803	-628	-20.3	108	396	288
December	4,352	1,719	6,071	-806	-31.9	66	785	720
January	4,344	1,265	5,609	-495	-28.1	93	559	467
February	4,328	912	5,241	-391	-30.0	71	409	338
March	4,300	742	5,042	-412	-35.7	113	293	181
Total	—	—	—	—	—	450	2,443	1,993
2001 Refill Season								
April	4,261	992	5,253	-210	-17.5	345	68	-276
May	4,309	1,440	5,749	7	0.5	488	41	-448
June	4,310	1,882	6,193	165	9.6	470	48	-422
July	4,315	2,261	6,576	258	12.9	441	64	-376
August	4,313	2,576	6,889	377	17.1	384	79	-305
September	4,318	2,944	7,262	450	18.0	409	41	-368
October	4,310	3,144	7,454	412	15.1	281	92	-189
Total	—	—	—	—	—	2,819	435	-2,384
2001-2002 Heating Season								
November (STIFS)	^{RE} 4,310	^{RE} 3,175	^{RE} 7,485	^{RE} 733	^{RE} 30.0	NA	NA	^{RE} -31
December (STIFS)	^E 4,310	^E 2,858	^E 7,168	^E 1,139	^E 66.3	NA	NA	^E 317

^a Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

^{NA} Not Available.

— Not Applicable.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note

7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1995-2001
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1995 Total^a	60	72	131	2	2.9	194	200	5
1996 Total^a	64	85	149	14	18.8	258	246	-13
1997 Total^a	67	83	150	-4	-3.0	267	274	6
1998 Total^a	67	104	171	21	26.0	297	275	-22
1999								
January	67	82	149	13	18.2	19	39	19
February	67	77	144	8	12.0	16	21	5
March	67	68	135	4	6.6	18	26	8
April	67	78	145	-3	-3.2	28	19	-9
May	67	94	161	12	14.2	29	12	-17
June	65	102	167	19	22.5	22	16	-6
July	65	96	161	5	5.5	16	25	8
August	66	102	168	10	10.7	23	16	-8
September	67	112	179	28	34.0	24	13	-10
October	67	115	182	-1	-0.6	23	21	-2
November	67	116	184	-2	-1.7	21	17	-4
December	69	100	169	-4	-4.0	19	35	16
Total	—	—	—	—	—	260	259	-1
2000								
January	68	65	133	-15	-21.2	16	50	34
February	68	66	134	-12	-15.1	23	22	-1
March	69	69	138	0	1.5	24	20	-3
April	69	74	143	-4	-5.5	24	19	-5
May	70	77	147	-17	-18.1	27	24	-3
June	70	90	160	-12	-11.4	31	18	-13
July	71	97	168	1	1.7	30	21	-9
August	72	90	161	-13	-12.3	24	32	8
September	71	101	172	-12	-9.7	31	18	-12
October	71	107	178	-9	-6.6	29	20	-9
November	71	110	182	-9	-5.2	21	23	1
December	70	72	142	-28	-28.0	18	55	36
Total	—	—	—	—	—	296	320	24
2001								
January	71	73	144	9	13.5	33	31	-1
February	69	67	136	1	1.1	19	27	8
March	69	53	122	-16	-23.6	20	34	14
April	69	71	140	-3	-4.4	33	15	-18
May	71	85	156	8	10.4	30	14	-16
June	71	85	155	-5	-5.1	26	25	-1
July	71	89	160	-8	-8.4	29	25	-4
August	71	86	157	-2	-2.7	27	29	2
September	71	100	171	0	-0.3	33	19	-14
October	71	108	180	1	0.8	33	24	-8

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1995 through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1995-2001

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1995 Total^a	4,290	2,082	6,371	-455	-17.9	2,372	2,774	403
1996 Total^a	4,277	2,087	6,364	6	0.3	2,647	2,665	18
1997 Total^a	4,283	2,092	6,375	4	0.2	2,533	2,551	18
1998 Total^a	4,259	2,626	6,884	533	25.5	2,608	2,103	-504
1999								
January	4,264	1,991	6,255	348	21.2	39	643	604
February	4,262	1,669	5,931	311	22.9	47	364	317
March	4,316	1,338	5,654	219	19.5	69	358	289
April	4,314	1,417	5,731	112	8.6	182	101	-81
May	4,305	1,740	6,045	49	2.9	352	32	-319
June	4,305	2,047	6,352	17	0.8	327	26	-301
July	4,305	2,284	6,588	-46	-2.3	282	56	-226
August	4,302	2,508	6,810	-98	-3.8	288	74	-214
September	4,302	2,811	7,114	-33	-1.2	334	29	-305
October	4,303	2,958	7,261	-117	-3.8	224	71	-153
November	4,313	2,949	7,261	-88	-2.9	151	187	36
December	4,314	2,423	6,738	-202	-7.7	44	571	527
Total	—	—	—	—	—	2,338	2,512	175
2000								
January	4,310	1,696	6,006	-280	-14.8	44	791	748
February	4,309	1,238	5,547	-418	-25.8	60	511	451
March	4,295	1,084	5,379	-242	-19.0	116	271	156
April	4,293	1,129	5,422	-277	-20.4	167	127	-41
May	4,292	1,356	5,648	-387	-22.1	286	58	-228
June	4,291	1,627	5,918	-423	-20.5	318	47	-271
July	4,291	1,906	6,196	-380	-16.6	343	62	-281
August	4,289	2,109	6,399	-401	-15.9	281	77	-204
September	4,289	2,393	6,683	-420	-14.9	340	61	-278
October	4,289	2,625	6,913	-336	-11.3	300	68	-233
November	4,290	2,332	6,621	-620	-20.9	86	373	287
December	4,282	1,647	5,929	-779	-32.0	47	731	684
Total	—	—	—	—	—	2,388	3,178	790
2001								
January	4,273	1,192	5,465	-504	-29.7	60	528	468
February	4,259	846	5,105	-392	-31.5	52	382	330
March	4,232	688	4,920	-396	-36.3	93	259	166
April	4,192	921	5,113	-208	-17.0	312	54	-259
May	4,239	1,355	5,594	-1	0.4	458	27	-432
June	4,239	1,798	6,037	171	11.2	445	23	-421
July	4,245	2,172	6,417	266	14.4	411	39	-372
August	4,242	2,490	6,732	380	18.5	357	50	-307
September	4,247	2,844	7,091	450	19.9	376	22	-354
October	4,238	3,036	7,274	411	15.7	248	68	-180

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1995 through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001
(Volumes in Million Cubic Feet)

State	2001						
	October	September	August	July	June	May	April
Alabama	120	-17	-113	-154	-576	44	-195
Arkansas	-339	-579	-505	-740	-879	-992	-604
California	-14,507	-9,385	-10,941	-20,929	-29,462	-27,438	-17,361
Colorado	753	-5,021	-4,513	-4,182	-4,069	-2,301	660
Illinois	-26,142	-33,582	-23,679	-20,442	-25,936	-30,943	-12,251
Indiana	-3,809	-4,044	-2,916	-3,671	-3,159	-1,372	1,366
Iowa	-11,688	-13,710	-13,505	-10,141	-6,017	-5,532	-2,900
Kansas	-1,268	-17,406	-7,572	-6,556	-13,884	-14,428	-11,364
Kentucky	-5,143	-8,975	-6,409	-9,956	-12,782	-11,456	-4,039
Louisiana	-10,552	-34,844	-13,578	-24,699	-30,405	-25,730	-22,513
Maryland	-1,310	-1,166	518	-2,572	-3,098	-2,653	-1,402
Michigan	-42,469	-72,648	-79,175	-87,034	-80,530	-71,545	-36,155
Minnesota	-174	-232	-259	-328	-319	-152	23
Mississippi	1,082	-4,068	-1,986	-5,355	-6,274	-2,821	-8,549
Missouri	-248	-348	-589	13	-1,063	17	-51
Montana	-1,573	-4,853	-4,966	-5,523	-4,034	-2,902	-1
Nebraska	-361	-1,250	-364	-339	-956	-1,908	-1,077
New Mexico	-173	-891	13	93	-403	-2,645	-1,573
New York	-3,374	-6,343	-5,574	-10,233	-11,212	-13,541	-6,630
Ohio	-9,844	-26,370	-32,266	-37,878	-32,303	-33,094	-15,734
Oklahoma	-4,003	-17,906	-8,596	-10,224	-23,745	-28,938	-23,624
Oregon	0	-852	-1,860	-2,293	-2,561	-2,151	810
Pennsylvania	-18,022	-39,267	-25,406	-50,422	-55,959	-66,462	-43,608
Tennessee	-100	-62	-47	-63	-31	-113	-103
Texas	-21,203	-28,769	-24,185	-21,624	-34,795	-40,985	-43,016
Utah	-280	-7,384	-5,939	-7,179	-6,356	-7,254	-4,428
Virginia	-32	-271	-322	-244	-402	-532	-434
Washington	1,030	-1,450	-1,343	372	-200	-8,283	-2,300
West Virginia	-12,915	-22,496	-25,939	-31,290	-28,838	-39,499	-18,243
Wyoming	-2,113	-3,691	-3,143	-2,866	-1,800	-2,052	-1,073
AGA Regions							
Producing	-36,457	-104,462	-56,408	-69,106	-110,384	-116,537	-111,243
Eastern Consuming	-135,336	-230,550	-215,788	-264,426	-262,862	-278,588	-141,454
Western Consuming	-16,864	-32,867	-32,963	-42,930	-48,800	-52,532	-23,671
Total	-188,656	-367,879	-305,159	-376,461	-422,046	-447,658	-276,368

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001
(Volumes in Million Cubic Feet) — Continued

State	2001			2000			
	March	February	January	Total	December	November	October
Alabama	604	-241	330	430	85	203	142
Arkansas	139	391	785	3,033	2,077	432	-397
California	-14,822	20,542	39,041	47,960	6,493	27,309	-10,735
Colorado	1,787	4,374	4,138	8,613	4,969	4,003	-2,003
Illinois	14,412	43,450	42,940	24,165	49,235	25,535	-33,495
Indiana	2,616	3,544	4,279	3,892	7,120	-608	-4,297
Iowa	3,712	8,167	16,496	13,560	23,122	11,086	-13,898
Kansas	4,933	16,056	-3,218	34,047	25,577	20,998	-18,438
Kentucky	6,901	2,626	6,783	30,198	23,027	11,187	-8,599
Louisiana	5,213	96	30,425	96,201	67,565	12,336	-23,895
Maryland	1,215	2,382	2,235	4,383	5,151	1,323	-288
Michigan	43,738	76,815	66,029	146,588	127,858	48,638	-37,897
Minnesota	154	323	489	306	567	-92	-199
Mississippi	10,930	1,071	2,828	1,853	14,228	4,503	-4,386
Missouri	1,242	379	-255	567	1,078	-191	-353
Montana	1,629	4,504	4,208	13,911	5,173	3,722	51
Nebraska	573	1,456	1,090	4,366	1,124	1,622	-503
New Mexico	-1,851	-1,657	25	-561	418	-295	-905
New York	8,160	11,920	13,182	9,824	17,276	5,062	-4,026
Ohio	22,906	27,160	41,777	48,330	61,149	24,034	-10,060
Oklahoma	415	12,522	24,484	88,353	42,630	16,307	-13,209
Oregon	962	2,264	2,252	212	1,565	849	-720
Pennsylvania	47,171	51,475	69,205	47,204	96,037	21,869	-26,640
Tennessee	69	82	59	59	-12	-86	-114
Texas	2,704	8,957	41,565	127,251	67,839	12,680	-16,995
Utah	-2,807	4,031	12,277	6,537	10,861	9,016	1,000
Virginia	283	92	517	471	789	354	-251
Washington	592	6,110	2,608	1,932	-1,986	3,781	1,188
West Virginia	16,521	26,341	36,787	42,171	55,132	20,788	-11,762
Wyoming	534	2,586	3,225	8,063	3,611	1,933	336
AGA Regions							
Producing	22,484	37,436	96,894	350,177	220,332	66,960	-78,226
Eastern Consuming	170,123	255,647	301,453	376,207	468,171	170,818	-152,040
Western Consuming	-11,971	44,735	68,237	87,535	31,251	50,522	-11,083
Total	180,636	337,818	466,585	813,920	719,754	288,299	-241,349

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet) — Continued

State	2000						
	September	August	July	June	May	April	March
Alabama	110	0	-82	-606	-90	66	-8
Arkansas	-268	-680	-649	-444	-698	-287	997
California	-1,623	19,420	199	-7,106	-11,320	-20,587	-3,491
Colorado	-2,248	-4,811	-4,606	-4,583	-359	1,385	6,790
Illinois	-30,571	-27,776	-27,774	-32,238	-12,923	13,169	8,699
Indiana	-3,323	-2,698	-2,195	-1,910	-248	1,377	2,071
Iowa	-13,240	-12,021	-11,254	-6,094	-4,620	1,749	5,353
Kansas	-16,047	-1,042	-9,926	-9,640	-6,168	2,341	11,536
Kentucky	-10,707	-6,537	-10,798	-6,282	-4,150	3,556	6,943
Louisiana	-20,965	-12,990	-23,235	-22,813	-4,848	10,011	20,254
Maryland	-44	-2,241	-2,005	-2,994	-2,478	-652	-83
Michigan	-46,387	-53,184	-50,105	-45,757	-48,421	-8,924	37,934
Minnesota	-266	-277	-343	-132	2	109	282
Mississippi	-4,632	-3,418	-5,252	-5,228	-4,057	540	-1,227
Missouri	-711	209	16	19	-26	100	-110
Montana	-958	-2,264	-2,041	-457	522	621	2,166
Nebraska	-764	225	-620	1,077	-78	-92	43
New Mexico	-50	1,040	800	-793	-468	-2,583	209
New York	-7,909	-7,493	-10,091	-10,009	-8,664	-2,847	6,361
Ohio	-23,823	-25,180	-33,397	-30,291	-29,262	-5,232	24,381
Oklahoma	-12,480	660	-2,396	-12,742	-9,598	-6,249	2,136
Oregon	-720	-2,074	-2,270	-2,101	-893	830	1,872
Pennsylvania	-47,265	-32,778	-52,039	-42,636	-52,860	-7,150	11,111
Tennessee	-49	0	0	0	0	18	63
Texas	-12,544	12,106	1,215	-6,612	-1,260	-17,066	-12,440
Utah	-5,592	-6,633	-6,747	-5,792	-5,613	-4,518	2,979
Virginia	-202	-222	-222	-224	-291	-117	32
Washington	-2,835	909	-3,739	-3,660	-2,639	-893	1,485
West Virginia	-24,203	-25,366	-29,171	-23,246	-18,097	-4,493	14,445
Wyoming	-360	-897	-553	-1,168	-1,590	116	1,328
AGA Regions							
Producing	-66,987	-4,324	-39,442	-58,272	-27,098	-13,293	21,465
Eastern Consuming	-209,087	-195,064	-229,737	-201,190	-182,207	-9,473	117,235
Western Consuming	-14,602	3,374	-20,100	-24,998	-21,890	-22,936	13,411
Total	-290,675	-196,014	-289,278	-284,459	-231,195	-45,702	152,111

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001
(Volumes in Million Cubic Feet) — Continued

State	2000		1999			
	February	January	Total	December	November	October
Alabama	-307	916	-164	189	-134	77
Arkansas	1,228	1,722	233	1,276	423	-219
California	21,967	27,434	8,194	24,198	-4,553	-4,598
Colorado	3,765	6,311	-1,502	5,058	-902	-2,450
Illinois	34,034	58,269	-2,715	42,415	2,345	-31,518
Indiana	1,482	7,120	-244	4,419	-2,227	-3,862
Iowa	11,692	21,684	2,445	21,305	1,096	-10,941
Kansas	9,582	25,275	15,568	22,458	873	-1,078
Kentucky	10,529	22,031	2,725	10,737	2,295	-1,066
Louisiana	39,709	55,072	9,530	39,997	6,656	-11,735
Maryland	3,312	5,382	-63	1,420	460	-3,376
Michigan	69,355	153,478	32,938	105,683	6,548	-24,215
Minnesota	280	376	-253	147	-128	-175
Mississippi	-595	11,378	14,502	9,530	-2,778	1,041
Missouri	-550	1,086	-567	340	-174	-205
Montana	3,194	4,181	7,884	2,618	1,154	493
Nebraska	1,313	1,019	473	557	-252	-440
New Mexico	1,034	1,032	-2,289	814	-1,202	-259
New York	13,703	18,460	7,825	12,574	1,488	-948
Ohio	36,791	59,220	16,019	44,624	8,737	-9,815
Oklahoma	36,885	46,411	-6,703	19,463	-2,807	-11,571
Oregon	1,660	2,214	-589	1,350	-593	0
Pennsylvania	67,677	111,880	23,197	69,287	4,253	-19,029
Tennessee	63	175	-34	164	56	-57
Texas	39,612	60,715	5,985	38,524	-652	-12,103
Utah	7,541	10,034	9,193	12,584	957	-1,889
Virginia	107	719	92	455	181	-109
Washington	2,566	7,755	-1,213	1,577	-152	-1,462
West Virginia	30,364	57,780	34,622	46,561	10,665	-3,320
Wyoming	2,373	2,935	-1,063	2,359	539	-307
AGA Regions						
Producing	127,455	201,606	36,826	132,062	515	-35,924
Eastern Consuming	279,564	519,219	116,549	360,730	35,337	-108,825
Western Consuming	43,345	61,240	20,650	49,889	-3,678	-10,388
Total	450,364	782,064	174,025	542,681	32,174	-155,137

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 2000 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by

region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14. Activities of Underground Natural Gas Storage Operators, by State, October 2001

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	3,280	1,190	1,549	2,739	-89	-5.4	1	120
Arkansas	22,000	8,715	7,158	15,873	335	4.9	400	62
California	388,480	249,225	214,162	463,386	61,879	40.6	18,295	3,788
Colorado	100,227	47,655	37,436	85,091	113	0.3	2,184	2,937
Illinois	898,565	668,482	243,762	912,244	2,955	1.2	30,057	3,915
Indiana	113,210	75,311	32,257	107,568	-1,686	-5.0	3,974	165
Iowa	273,200	197,715	67,383	265,098	914	1.4	12,236	548
Kansas	301,502	178,548	93,524	272,072	3,077	3.4	7,045	5,776
Kentucky	219,914	109,239	105,421	214,661	8,917	9.2	6,549	1,407
Louisiana	569,187	268,333	257,023	525,356	72,214	39.1	25,247	14,694
Maryland	62,000	46,677	14,036	60,714	-740	-5.0	1,470	160
Michigan	1,070,717	459,221	553,395	1,012,616	41,926	8.2	47,530	5,060
Minnesota	7,000	4,840	2,022	6,862	-255	-11.2	174	0
Mississippi	134,012	77,715	54,323	132,038	-245	-0.4	2,573	3,655
Missouri	31,878	21,600	10,070	31,670	-18	-0.2	258	10
Montana	371,510	167,339	38,009	205,348	4,633	13.9	3,206	1,634
Nebraska	39,469	26,995	6,950	33,944	2,477	55.4	532	171
New Mexico	96,600	29,766	9,832	39,597	809	9.0	815	642
New York	175,496	96,386	76,906	173,292	1,848	2.5	4,798	1,424
Ohio	573,784	344,375	194,332	538,707	17,154	9.7	13,723	3,879
Oklahoma	378,137	200,968	153,580	354,548	43,097	39.0	7,448	3,445
Oregon	17,755	9,352	10,962	20,314	1,761	19.1	0	0
Pennsylvania	713,818	343,552	381,110	724,662	20,544	5.7	30,871	12,849
Tennessee	1,200	340	840	1,180	420	99.9	100	0
Texas	699,324	250,632	297,420	548,052	86,524	41.0	40,828	19,625
Utah	129,480	64,599	47,644	112,242	5,299	12.5	1,984	1,704
Virginia	4,967	2,362	2,651	5,013	58	2.2	275	243
Washington	37,300	19,000	17,226	36,226	966	5.9	968	1,997
West Virginia	733,126	278,893	188,281	467,174	31,856	20.4	15,275	2,360
Wyoming	105,869	60,782	24,709	85,491	4,961	25.1	2,323	209
AGA Regions								
Producing	2,200,762	1,014,678	872,858	1,887,536	205,812	30.9	84,356	47,899
Eastern Consuming	4,914,624	2,672,338	1,878,944	4,551,282	126,537	7.2	167,648	32,313
Western Consuming	1,157,620	622,791	392,169	1,014,960	79,356	25.4	29,133	12,269
Total	8,273,006	4,309,807	3,143,972	7,453,778	411,704	15.1	281,137	92,481

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working

gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				September	August	July
Alabama	38,506	32,809	32,265	1,130	1,151	1,149
Alaska	10,159	10,764	11,618	818	538	519
Arizona	28,304	25,179	25,452	1,025	985	1,055
Arkansas	29,446	25,062	28,728	812	849	^R 1,023
California	376,802	364,398	443,064	21,170	22,303	23,989
Colorado	94,051	79,295	83,248	2,816	2,462	3,044
Connecticut	NA	28,725	28,968	NA	1,007	803
Delaware	7,577	7,179	6,892	187	164	219
District of Columbia	11,523	11,259	10,920	331	313	351
Florida	12,673	11,370	10,474	700	702	728
Georgia	NA	84,095	63,558	3,928	3,608	3,674
Hawaii	407	408	402	43	41	44
Idaho	13,948	12,853	12,999	423	341	412
Illinois	303,027	289,748	306,729	12,207	8,969	9,918
Indiana	NA	105,151	109,950	NA	NA	NA
Iowa	NA	47,045	51,731	1,585	1,316	NA
Kansas	56,236	48,121	52,451	1,573	^R 1,539	^R 1,536
Kentucky	38,990	38,407	40,385	1,327	1,098	^R 1,031
Louisiana	NA	33,791	34,272	NA	NA	NA
Maine	686	702	644	32	25	25
Maryland	NA	56,506	54,376	NA	1,819	1,809
Massachusetts	89,009	83,349	73,218	2,858	2,366	2,765
Michigan	262,427	252,075	255,040	8,651	6,298	7,084
Minnesota	89,955	81,769	82,563	3,204	2,630	2,730
Mississippi	NA	18,560	18,660	NA	651	735
Missouri	91,582	78,707	86,452	2,524	2,166	2,366
Montana	14,160	12,886	13,519	502	404	416
Nebraska	34,652	29,329	30,589	870	905	950
Nevada	23,277	20,365	21,170	1,033	995	1,041
New Hampshire	5,388	5,373	4,956	185	149	154
New Jersey	159,438	152,075	158,027	5,254	4,821	4,780
New Mexico	21,387	22,303	22,923	1,003	839	1,008
New York	303,011	289,342	278,405	9,861	9,371	9,969
North Carolina	43,786	42,956	40,320	1,078	942	1,082
North Dakota	7,174	7,354	7,667	266	282	215
Ohio	236,361	226,272	226,679	6,867	6,140	^R 7,420
Oklahoma	49,524	44,627	48,648	1,275	1,283	1,524
Oregon	28,309	27,547	28,448	918	905	1,095
Pennsylvania	NA	179,639	175,143	5,392	4,960	5,108
Rhode Island	14,558	14,183	12,947	506	450	476
South Carolina	21,498	20,015	19,043	512	470	492
South Dakota	NA	8,011	8,613	278	276	NA
Tennessee	51,832	45,376	45,329	1,264	^R 1,146	^R 1,161
Texas	167,380	130,521	134,835	5,410	7,974	5,729
Utah	36,098	33,772	36,972	1,610	1,448	1,411
Vermont	2,155	2,133	1,936	67	54	65
Virginia	55,286	52,534	49,686	1,493	1,580	1,520
Washington	51,855	50,861	51,340	1,864	^R 1,731	^R 2,113
West Virginia	NA	22,721	23,329	775	462	398
Wisconsin	NA	84,840	86,462	3,736	2,418	2,930
Wyoming	7,783	8,056	8,918	274	249	240
Total	3,598,772	3,360,417	3,460,963	128,658	^R117,959	^R124,729

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama	1,297	1,893	4,605	5,643	8,644	12,994
Alaska	609	980	1,182	1,813	1,824	1,876
Arizona	1,267	1,896	2,824	5,439	7,072	6,739
Arkansas	^R 857	^R 1,954	^R 2,373	^R 5,362	^R 6,443	^R 9,773
California	22,861	30,433	41,474	58,633	71,182	84,757
Colorado	4,464	8,234	12,557	17,892	20,481	22,102
Connecticut	NA	1,309	3,644	6,135	6,215	8,425
Delaware	275	461	1,048	1,564	1,715	1,943
District of Columbia	442	595	1,390	2,178	2,544	3,379
Florida	781	955	1,310	1,510	2,635	3,351
Georgia	3,819	4,742	NA	17,069	16,513	28,880
Hawaii	47	46	47	49	43	48
Idaho	584	1,063	1,794	2,379	3,455	3,497
Illinois	11,443	14,452	26,454	61,269	72,405	85,909
Indiana	NA	NA	NA	NA	NA	NA
Iowa	1,929	2,639	5,559	11,095	13,101	14,777
Kansas	1,743	2,437	5,758	11,650	12,213	17,787
Kentucky	^R 954	1,307	2,488	9,204	8,955	12,626
Louisiana	1,719	2,183	3,698	5,473	8,840	13,197
Maine	22	49	61	143	154	175
Maryland	2,207	3,035	6,713	11,619	12,948	17,836
Massachusetts	3,514	5,835	13,605	18,455	18,490	21,123
Michigan	10,690	16,531	33,454	55,739	55,540	68,440
Minnesota	3,485	4,833	9,565	17,617	22,678	23,212
Mississippi	773	1,142	1,958	NA	4,981	7,902
Missouri	3,043	3,840	9,594	17,971	21,190	28,888
Montana	696	1,047	1,906	2,583	3,330	3,276
Nebraska	1,180	2,564	4,596	6,229	7,494	9,864
Nevada	1,174	1,640	2,470	3,974	5,415	5,536
New Hampshire	214	386	784	1,061	1,132	1,324
New Jersey	6,006	9,242	20,570	32,905	33,583	42,276
New Mexico	966	1,190	1,948	2,762	5,561	6,109
New York	14,262	22,366	42,975	59,507	64,028	70,672
North Carolina	1,544	2,045	5,034	7,881	9,527	14,653
North Dakota	246	366	818	1,267	1,934	1,781
Ohio	^R 8,794	^R 12,305	^R 27,986	^R 48,453	^R 51,889	^R 66,508
Oklahoma	1,767	^R 2,512	^R 5,434	9,987	12,033	13,710
Oregon	1,508	2,653	3,916	5,048	5,941	6,324
Pennsylvania	6,222	NA	^R 23,385	38,814	39,973	51,432
Rhode Island	644	1,030	2,133	2,881	2,966	3,471
South Carolina	567	992	^R 2,620	3,238	4,689	7,919
South Dakota	^R 369	547	1,039	1,770	2,172	2,165
Tennessee	^R 1,288	1,970	5,352	9,693	10,443	19,516
Texas	6,979	8,492	15,626	25,405	38,785	52,979
Utah	1,782	1,888	4,120	5,561	8,187	10,092
Vermont	96	146	316	420	446	544
Virginia	1,805	2,377	5,712	10,828	12,695	17,278
Washington	3,021	4,899	7,278	8,883	10,980	11,085
West Virginia	456	NA	3,502	NA	5,442	6,923
Wisconsin	^R 3,410	NA	8,545	21,640	22,782	23,699
Wyoming	440	610	1,158	1,101	1,846	1,865
Total	^R 148,903	^R 214,361	^R 409,023	^R 686,477	^R 787,031	^R 981,630

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	Total	December	November	October	September	August
Alabama	45,794	8,385	2,900	1,700	1,160	1,134
Alaska	15,979	2,013	1,748	1,454	927	618
Arizona	34,740	5,704	2,787	1,070	971	903
Arkansas	42,361	10,480	5,332	1,487	1,154	916
California	516,730	68,470	52,106	31,757	24,496	22,116
Colorado	116,363	20,693	10,855	5,520	2,706	2,553
Connecticut	41,534	6,755	3,793	2,262	979	617
Delaware	9,467	1,404	615	270	172	188
District of Columbia	15,437	2,557	1,069	553	376	356
Florida	15,133	1,940	994	829	700	701
Georgia	140,838	34,149	15,912	6,682	4,164	3,833
Hawaii	535	44	42	41	41	39
Idaho	19,131	3,272	2,147	859	484	349
Illinois	467,052	99,546	55,919	21,839	12,373	10,589
Indiana	160,027	32,663	15,481	6,732	3,955	2,904
Iowa	73,825	15,570	8,096	3,114	1,710	1,410
Kansas	70,589	14,343	5,601	2,523	1,578	1,307
Kentucky	64,662	15,301	8,161	2,793	1,446	1,233
Louisiana	49,744	9,497	4,251	2,204	1,714	1,623
Maine	1,037	176	96	63	32	26
Maryland	84,082	15,652	8,114	3,809	2,058	1,951
Massachusetts	114,077	16,794	9,077	4,856	2,942	2,588
Michigan	365,661	64,432	31,636	17,518	9,240	7,508
Minnesota	129,487	26,737	14,839	6,141	3,252	2,756
Mississippi	26,656	5,308	1,725	1,063	707	693
Missouri	115,353	23,334	9,293	4,019	2,505	2,478
Montana	20,072	3,475	2,406	1,305	609	391
Nebraska	41,715	6,890	3,620	1,877	1,048	774
Nevada	29,942	4,950	3,228	1,399	1,085	932
New Hampshire	7,274	1,033	566	302	182	143
New Jersey	219,878	37,333	20,021	10,449	5,939	5,115
New Mexico	35,921	6,450	4,663	2,505	1,217	984
New York	404,203	61,679	34,303	18,879	11,268	10,453
North Carolina	63,897	12,523	5,969	2,450	1,052	1,010
North Dakota	10,963	1,904	1,120	585	251	223
Ohio	343,302	68,382	32,751	15,897	7,667	6,817
Oklahoma	66,581	14,022	5,593	2,339	1,489	1,428
Oregon	38,698	6,028	3,552	1,572	977	801
Pennsylvania	262,770	46,947	23,666	12,517	6,985	5,649
Rhode Island	18,655	2,487	1,262	722	506	451
South Carolina	29,057	6,012	2,023	1,007	533	466
South Dakota	12,608	2,621	1,375	601	277	243
Tennessee	67,950	15,034	5,172	2,367	1,216	1,104
Texas	193,149	38,534	15,788	8,306	5,793	5,675
Utah	55,626	9,652	8,379	3,824	2,415	1,444
Vermont	2,843	376	210	124	72	62
Virginia	79,701	15,690	8,190	3,287	1,712	1,487
Washington	71,779	10,887	6,796	3,234	2,023	1,614
West Virginia	31,602	5,331	2,177	1,372	599	535
Wisconsin	135,023	27,792	15,542	6,848	3,593	2,907
Wyoming	12,177	2,076	1,302	743	386	291
Total	4,991,678	913,328	482,262	235,670	140,734	122,387

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	July	June	May	April	March	February
Alabama	1,204	1,335	2,240	3,350	4,638	9,378
Alaska	474	645	864	1,233	1,764	1,885
Arizona	996	1,178	1,510	2,663	4,192	6,328
Arkansas	791	916	1,558	2,439	4,139	5,734
California	24,448	27,625	31,735	39,046	62,855	65,334
Colorado	3,005	4,081	6,487	11,175	14,321	16,123
Connecticut	953	1,260	2,226	3,190	4,978	7,631
Delaware	246	294	655	985	1,178	1,662
District of Columbia	379	485	741	1,272	1,747	3,114
Florida	734	831	967	1,133	1,622	2,503
Georgia	3,775	3,835	4,818	8,441	11,126	17,571
Hawaii	44	45	47	46	48	49
Idaho	438	633	909	1,695	2,298	2,716
Illinois	9,549	12,052	15,613	35,412	45,617	64,000
Indiana	2,924	3,666	6,233	12,740	16,107	25,856
Iowa	1,551	1,611	2,654	5,390	7,677	10,987
Kansas	1,596	1,798	2,946	5,743	8,179	11,827
Kentucky	1,071	1,129	1,415	4,108	6,183	8,233
Louisiana	1,724	1,815	2,062	3,702	4,490	7,834
Maine	27	31	49	89	123	122
Maryland	1,942	2,267	3,375	6,556	8,846	14,599
Massachusetts	2,883	4,065	7,051	10,203	13,785	21,076
Michigan	7,779	9,722	18,495	32,882	42,659	59,612
Minnesota	2,859	3,350	4,912	9,645	12,733	17,822
Mississippi	753	820	1,178	1,859	2,549	5,113
Missouri	2,427	2,048	4,864	9,272	12,965	20,769
Montana	481	605	970	1,555	2,285	2,795
Nebraska	899	981	1,434	4,495	5,720	6,744
Nevada	1,009	1,184	1,568	2,027	3,711	3,863
New Hampshire	178	275	432	632	973	1,242
New Jersey	4,998	6,216	11,043	17,746	25,021	37,885
New Mexico	970	1,577	1,149	3,415	3,424	4,407
New York	11,006	14,521	22,762	37,638	48,568	66,757
North Carolina	1,007	1,483	2,225	4,451	7,549	13,160
North Dakota	210	329	496	916	1,305	1,675
Ohio	7,315	7,817	13,670	28,312	38,110	53,546
Oklahoma	1,581	1,817	2,774	5,186	7,445	11,632
Oregon	997	1,530	2,321	3,475	5,048	5,776
Pennsylvania	5,826	7,889	10,831	22,058	29,613	42,453
Rhode Island	482	715	1,279	1,812	2,581	3,500
South Carolina	495	577	1,141	1,919	2,880	6,445
South Dakota	248	333	573	1,057	1,360	1,772
Tennessee	1,190	1,310	2,513	4,791	6,701	13,078
Texas	6,207	7,103	8,485	14,566	17,552	31,423
Utah	1,492	1,494	1,809	2,967	6,792	7,038
Vermont	70	110	179	268	396	510
Virginia	1,573	1,804	2,870	5,521	8,387	14,073
Washington	1,997	3,119	4,583	6,568	9,196	10,369
West Virginia	520	747	1,898	2,491	3,818	6,279
Wisconsin	2,702	2,661	5,024	11,195	13,099	18,324
Wyoming	303	396	670	1,223	1,437	1,674
Total	128,330	154,133	228,304	400,556	549,790	774,296

^R Revised Data.

^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and

revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				September	August	July
Alabama	20,612	18,261	20,007	1,177	1,101	1,079
Alaska	11,958	18,101	19,066	998	856	814
Arizona	23,684	24,065	23,589	1,834	1,767	1,781
Arkansas	NA	21,430	21,584	4,038	3,787	NA
California	184,547	180,110	189,603	16,253	17,221	15,534
Colorado	51,895	41,525	44,766	2,033	1,799	2,251
Connecticut	NA	34,423	35,615	NA	1,949	1,632
Delaware	4,895	3,766	4,762	203	175	197
District of Columbia	13,117	13,364	14,116	781	628	903
Florida	37,793	35,652	28,089	3,666	^R 3,475	^R 3,462
Georgia	NA	38,719	31,303	2,245	2,138	2,118
Hawaii	1,338	1,329	1,313	145	140	148
Idaho	10,483	9,193	9,215	485	502	572
Illinois	140,132	132,147	134,433	7,862	7,502	7,009
Indiana	NA	59,283	53,772	NA	NA	NA
Iowa	NA	29,518	32,633	1,613	995	NA
Kansas	30,813	27,438	30,057	1,369	1,451	1,576
Kentucky	26,251	24,687	25,594	1,073	^R 1,124	^R 1,023
Louisiana	NA	18,351	18,616	NA	NA	NA
Maine	1,352	1,927	1,785	84	69	68
Maryland	NA	40,063	43,296	NA	2,184	2,317
Massachusetts	47,636	46,990	50,941	2,785	2,321	2,157
Michigan	133,401	132,172	131,801	6,002	5,163	5,218
Minnesota	67,967	62,264	61,734	2,999	2,955	2,773
Mississippi	NA	14,894	14,958	NA	1,124	1,060
Missouri	50,595	44,050	48,773	2,147	1,991	2,064
Montana	9,667	9,096	8,681	387	363	383
Nebraska	21,031	19,910	21,587	963	909	1,040
Nevada	16,704	18,609	16,764	1,100	1,255	1,254
New Hampshire	6,064	5,998	5,295	233	219	128
New Jersey	141,314	116,345	125,160	5,721	5,292	6,270
New Mexico	18,656	19,258	19,450	1,044	967	1,020
New York	266,353	306,509	265,546	25,847	24,807	22,619
North Carolina	29,231	30,124	28,664	1,660	1,478	1,606
North Dakota	7,117	7,126	7,308	325	316	336
Ohio	130,799	121,850	121,997	5,598	4,650	^R 5,159
Oklahoma	41,238	30,112	30,731	2,890	1,954	2,358
Oregon	31,580	20,626	21,417	3,562	3,492	4,058
Pennsylvania	NA	100,971	101,830	4,770	4,235	4,128
Rhode Island	10,012	9,559	8,820	491	464	460
South Carolina	16,649	15,819	15,256	1,117	1,063	1,881
South Dakota	NA	6,657	7,079	282	295	NA
Tennessee	39,950	37,911	39,805	2,025	1,738	2,022
Texas	224,163	134,584	126,239	12,132	19,305	^R 16,616
Utah	21,166	19,757	20,759	982	932	934
Vermont	1,935	1,929	1,725	92	72	74
Virginia	NA	45,684	44,982	2,944	2,757	2,512
Washington	64,526	36,078	36,848	8,576	^R 8,523	^R 9,290
West Virginia	18,949	18,788	19,731	1,288	1,138	^R 832
Wisconsin	NA	52,243	56,809	2,592	2,007	2,314
Wyoming	8,376	6,673	7,102	299	203	247
Total	2,456,790	2,265,942	2,251,009	156,632	^R155,058	^R148,680

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama	R1,194	R1,504	R2,319	R2,949	R3,903	R5,385
Alaska	873	1,279	1,410	1,894	1,839	1,995
Arizona	1,972	2,317	2,810	3,466	3,759	3,981
Arkansas	NA	NA	NA	NA	NA	NA
California	15,716	16,985	26,490	22,690	25,858	27,800
Colorado	2,917	4,718	6,845	9,385	10,179	11,768
Connecticut	NA	2,386	4,268	5,652	5,993	6,697
Delaware	242	312	663	1,007	952	1,145
District of Columbia	851	1,119	1,937	2,198	2,271	2,429
Florida	R3,641	R3,973	R4,240	R4,551	R5,257	R5,528
Georgia	2,174	2,443	NA	6,576	6,486	10,029
Hawaii	151	145	150	154	151	154
Idaho	660	922	1,193	1,594	2,238	2,318
Illinois	7,067	7,787	12,159	26,168	30,068	34,511
Indiana	NA	NA	NA	NA	NA	NA
Iowa	1,425	1,811	3,538	6,633	7,762	8,891
Kansas	1,282	1,491	3,107	5,747	6,595	8,195
Kentucky	937	1,402	2,360	4,906	5,480	7,947
Louisiana	1,742	1,861	2,238	NA	3,437	4,456
Maine	64	107	194	358	408	0
Maryland	2,415	2,905	4,619	6,629	7,092	9,556
Massachusetts	2,668	3,908	6,724	8,588	8,839	9,648
Michigan	6,157	8,669	16,610	25,979	27,509	32,095
Minnesota	3,170	4,156	7,444	13,019	15,176	16,275
Mississippi	1,019	1,175	1,579	2,486	3,000	4,257
Missouri	2,206	2,705	5,395	9,201	10,942	13,945
Montana	492	767	1,254	965	2,796	2,261
Nebraska	1,132	1,508	2,814	4,218	4,666	3,782
Nevada	1,347	1,553	1,970	2,549	2,817	2,858
New Hampshire	190	510	990	1,201	1,405	1,187
New Jersey	5,512	9,582	17,571	25,057	30,057	36,251
New Mexico	1,087	1,420	2,600	2,510	3,989	4,021
New York	30,702	29,525	25,816	33,461	36,187	37,390
North Carolina	1,594	2,047	3,190	4,630	5,346	7,680
North Dakota	280	400	810	1,078	1,791	1,780
Ohio	R5,389	R7,509	R14,670	R24,756	R29,422	R33,647
Oklahoma	R2,353	R2,594	R4,048	R7,353	R8,443	9,246
Oregon	3,956	2,032	2,755	3,470	3,967	4,288
Pennsylvania	5,025	6,623	12,504	NA	NA	NA
Rhode Island	511	743	1,382	1,882	1,930	2,149
South Carolina	1,109	1,317	1,834	2,195	2,542	3,589
South Dakota	303	410	802	1,404	1,676	1,512
Tennessee	1,907	2,173	4,400	6,121	7,729	11,835
Texas	R16,834	R27,570	22,989	29,807	35,900	43,011
Utah	973	1,385	2,538	3,315	4,551	5,556
Vermont	108	136	276	356	374	447
Virginia	2,553	3,035	NA	7,199	7,950	10,207
Washington	9,848	3,863	4,948	5,683	6,745	7,049
West Virginia	R1,297	R1,241	R2,637	R2,969	R3,379	R4,169
Wisconsin	R2,559	NA	5,576	12,678	12,640	13,749
Wyoming	344	469	1,195	1,891	2,120	1,608
Total	R163,862	R191,574	R272,077	R394,611	R449,784	R524,511

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	Total	December	November	October	September	August
Alabama	25,344	3,814	1,867	1,398	1,109	1,070
Alaska	26,424	3,068	2,636	2,618	1,569	1,308
Arizona	32,211	3,650	2,403	2,020	1,914	1,877
Arkansas	33,181	6,255	3,970	1,525	1,097	1,927
California	250,947	24,997	24,057	17,276	17,990	17,572
Colorado	60,909	9,864	5,955	3,529	1,823	1,761
Connecticut	48,579	6,598	4,338	3,116	2,212	2,306
Delaware	5,127	704	421	234	58	185
District of Columbia	17,744	2,174	1,236	955	889	857
Florida	47,973	4,774	3,954	3,523	3,348	3,233
Georgia	59,334	11,102	5,923	3,064	2,293	2,123
Hawaii	1,771	145	152	146	145	141
Idaho	13,451	2,117	1,415	690	507	418
Illinois	201,835	37,604	21,467	10,550	7,544	6,704
Indiana	90,427	17,488	8,877	4,729	3,340	2,597
Iowa	45,597	9,008	4,830	2,241	1,462	1,086
Kansas	39,650	7,127	3,348	1,733	1,516	1,371
Kentucky	38,670	8,089	4,089	1,804	1,247	1,060
Louisiana	25,673	3,596	2,152	1,561	1,346	1,386
Maine	2,770	439	249	154	81	78
Maryland	55,748	8,042	4,816	2,747	2,392	2,070
Massachusetts	63,798	8,390	5,170	3,243	3,414	2,318
Michigan	186,084	29,408	15,210	9,262	6,629	6,094
Minnesota	94,536	16,756	10,478	5,030	3,217	3,027
Mississippi	21,379	3,336	1,799	1,349	1,128	1,024
Missouri	62,856	10,701	4,989	3,110	1,821	1,962
Montana	13,538	2,131	1,471	835	459	359
Nebraska	28,462	5,212	2,112	1,228	998	955
Nevada	25,637	2,771	2,431	1,775	1,542	1,526
New Hampshire	8,323	977	931	417	295	276
New Jersey	158,544	22,681	12,531	6,986	4,203	13,684
New Mexico	27,609	3,945	2,589	1,548	1,567	1,143
New York	410,454	40,591	32,761	29,652	30,697	29,704
North Carolina	43,105	6,823	3,963	2,192	1,694	1,542
North Dakota	10,795	1,961	1,136	564	326	326
Ohio	178,024	31,211	16,280	8,257	5,104	4,940
Oklahoma	43,347	7,351	3,413	2,057	1,956	1,893
Oregon	28,643	4,076	2,457	1,430	1,148	1,013
Pennsylvania	145,364	23,427	13,074	7,835	5,110	4,437
Rhode Island	12,998	1,749	999	667	479	447
South Carolina	22,107	3,148	1,784	1,354	1,180	1,107
South Dakota	10,120	1,920	1,066	476	288	251
Tennessee	53,202	8,430	4,422	2,431	2,238	1,834
Texas	185,828	24,896	14,895	11,451	11,707	12,328
Utah	31,426	5,205	4,320	2,000	1,308	919
Vermont	2,595	327	212	127	87	82
Virginia	66,161	10,029	6,545	3,840	2,763	2,691
Washington	50,573	6,488	5,338	2,558	2,073	1,894
West Virginia	26,168	3,536	2,209	1,634	1,211	1,235
Wisconsin	81,146	15,464	9,095	4,300	2,542	2,491
Wyoming	9,767	1,368	1,079	633	383	300
Total	3,225,955	474,960	292,916	183,855	151,449	152,929

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	July	June	May	April	March	February
Alabama	1,077	1,173	1,452	1,954	2,458	4,193
Alaska	1,250	985	1,946	2,090	2,755	2,613
Arizona	1,959	2,113	2,294	2,836	3,444	3,593
Arkansas	1,403	1,537	1,655	1,426	4,130	3,910
California	16,392	15,966	16,684	20,237	24,531	24,242
Colorado	2,027	2,537	3,411	5,699	7,202	8,106
Connecticut	2,422	2,245	3,303	3,741	5,538	7,008
Delaware	195	227	351	499	450	867
District of Columbia	887	983	1,345	1,716	2,047	2,287
Florida	3,400	3,489	3,839	4,155	4,502	4,751
Georgia	2,158	2,305	3,790	4,105	5,031	7,292
Hawaii	146	151	148	146	150	149
Idaho	457	554	674	1,132	1,526	1,772
Illinois	6,246	6,325	8,281	15,395	19,510	27,474
Indiana	2,502	2,641	3,896	6,850	8,703	13,386
Iowa	1,400	1,273	2,438	3,262	4,414	6,153
Kansas	1,442	1,405	1,722	2,997	4,337	6,015
Kentucky	1,056	1,147	1,492	2,534	3,728	5,715
Louisiana	1,364	1,559	1,730	2,129	2,412	3,173
Maine	85	81	107	271	341	361
Maryland	2,077	2,587	3,498	4,673	6,224	7,962
Massachusetts	2,503	3,060	4,325	5,889	7,378	10,477
Michigan	5,423	6,883	10,344	16,410	21,942	27,355
Minnesota	2,938	2,928	4,018	7,515	9,695	12,279
Mississippi	1,016	985	1,296	1,569	1,893	3,085
Missouri	2,057	2,155	3,115	4,672	7,284	10,406
Montana	433	511	736	1,098	1,521	1,834
Nebraska	955	1,309	1,518	2,392	3,280	4,029
Nevada	1,825	1,656	1,802	2,003	2,662	2,544
New Hampshire	263	342	472	707	994	1,314
New Jersey	3,844	6,230	6,049	13,562	20,076	25,781
New Mexico	1,279	1,922	1,709	1,504	3,031	3,255
New York	28,305	29,082	30,103	34,862	52,831	37,472
North Carolina	1,529	1,897	1,923	2,967	4,835	7,209
North Dakota	272	354	512	860	1,177	1,523
Ohio	4,992	5,395	8,406	14,376	21,354	27,630
Oklahoma	1,935	1,539	2,390	3,343	4,641	6,507
Oregon	1,080	1,391	1,812	2,380	3,475	3,880
Pennsylvania	4,240	5,052	6,650	11,432	16,078	23,017
Rhode Island	443	541	726	1,303	1,514	2,100
South Carolina	1,119	1,177	1,366	1,656	2,044	3,212
South Dakota	282	329	521	714	1,317	1,354
Tennessee	1,801	2,072	2,491	3,735	4,645	8,872
Texas	11,720	11,359	12,951	14,521	16,180	21,800
Utah	955	954	1,240	1,993	3,889	3,893
Vermont	81	102	161	227	337	428
Virginia	2,504	2,802	3,561	5,192	6,721	9,481
Washington	2,078	2,688	3,402	4,613	5,816	6,562
West Virginia	1,173	1,203	1,638	2,033	3,048	3,519
Wisconsin	2,173	2,394	3,633	6,333	8,047	10,429
Wyoming	305	333	545	895	1,445	1,123
Total	139,471	149,933	183,472	258,602	352,582	423,392

^R Revised Data.

^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				September	August	July
Alabama	127,759	144,387	151,325	13,879	14,386	13,740
Alaska	NA	56,522	53,884	6,144	NA	7,286
Arizona	20,285	18,519	20,700	1,825	1,984	2,804
Arkansas	NA	98,769	107,013	7,587	7,323	8,129
California	1,035,200	992,250	793,840	116,352	126,970	117,280
Colorado	86,604	66,145	61,106	7,545	8,893	8,507
Connecticut	19,006	25,732	22,618	1,837	1,885	2,365
Delaware	18,817	24,889	15,158	1,999	1,838	^R 1,865
District of Columbia	0	0	0	0	0	0
Florida	95,369	107,728	105,716	11,215	10,777	11,725
Georgia	NA	133,935	128,201	12,719	14,785	13,086
Hawaii	412	400	340	39	47	50
Idaho ^a	22,416	24,097	25,047	2,135	2,002	2,309
Illinois	223,267	246,088	223,732	18,871	23,273	24,006
Indiana	NA	232,056	234,736	NA	20,496	NA
Iowa	NA	73,197	76,188	7,091	7,311	NA
Kansas	73,553	85,026	76,849	8,638	9,968	8,833
Kentucky	NA	75,437	72,205	NA	^R 6,507	^R 6,648
Louisiana	792,107	644,937	647,696	91,332	90,898	84,834
Maine	1,513	2,515	1,775	210	208	186
Maryland	NA	34,081	30,859	NA	4,579	3,311
Massachusetts	107,025	112,082	117,598	10,391	12,636	10,817
Michigan	218,283	225,400	219,218	19,333	20,378	20,990
Minnesota	64,410	77,240	78,848	7,652	6,898	5,898
Mississippi	71,658	84,735	88,402	7,692	7,464	7,299
Missouri	51,350	48,576	45,588	4,406	4,993	4,870
Montana	15,275	17,335	17,036	1,239	1,334	1,494
Nebraska	29,679	36,197	36,191	3,375	3,739	5,233
Nevada	35,463	32,517	25,186	4,761	5,416	4,251
New Hampshire	2,611	3,486	4,534	253	201	266
New Jersey	117,078	150,538	154,548	14,822	14,409	14,142
New Mexico	27,972	19,647	19,349	^R 1,972	^R 2,095	6,145
New York	NA	257,777	223,822	NA	25,872	23,321
North Carolina	63,320	80,574	79,574	7,394	7,839	6,997
North Dakota	14,133	10,962	13,323	1,361	1,797	815
Ohio	212,420	244,631	244,341	19,690	18,118	19,353
Oklahoma	98,156	130,248	137,491	7,338	7,483	10,603
Oregon	NA	80,813	77,379	5,196	NA	6,978
Pennsylvania	160,759	187,808	179,453	18,151	17,375	15,310
Rhode Island	NA	33,717	41,336	NA	6,065	5,269
South Carolina	55,969	75,221	75,053	6,827	7,129	6,652
South Dakota	5,761	4,535	3,688	402	444	529
Tennessee	97,440	94,373	109,830	9,259	^R 10,472	^R 9,870
Texas	1,436,893	1,600,503	1,388,217	179,624	184,357	^R 188,612
Utah	25,802	29,136	29,830	2,730	2,367	2,640
Vermont	1,891	2,934	2,014	202	181	165
Virginia	59,276	75,956	74,134	8,702	9,294	8,016
Washington	NA	89,524	85,526	NA	^R 3,566	10,848
West Virginia	NA	34,013	32,882	3,606	3,070	3,290
Wisconsin	NA	114,944	105,644	9,914	9,662	9,058
Wyoming	20,546	27,655	27,777	2,403	2,374	2,286
Total	6,688,570	7,069,788	6,586,801	732,423	^R763,332	^R755,157

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama	13,425	14,493	14,024	15,721	14,026	14,066
Alaska	5,235	5,728	6,151	6,487	5,805	6,543
Arizona	2,266	2,379	2,002	2,267	2,460	2,298
Arkansas	NA	9,809	10,024	10,593	NA	10,397
California	113,462	114,391	110,102	109,447	108,390	118,805
Colorado	8,162	9,225	11,174	10,717	10,249	12,131
Connecticut	2,111	2,302	2,065	2,199	2,053	2,189
Delaware	^R 1,839	^R 1,579	^R 2,205	^R 2,354	^R 2,588	^R 2,551
District of Columbia	0	0	0	0	0	0
Florida	10,326	10,925	10,437	10,251	9,233	10,481
Georgia	11,733	12,021	NA	13,094	11,511	10,835
Hawaii	46	46	47	44	43	51
Idaho ^a	2,286	2,320	2,661	2,777	2,826	3,101
Illinois	20,129	24,389	23,815	29,170	29,292	30,323
Indiana	19,065	19,635	20,256	25,296	24,195	27,925
Iowa	6,987	7,912	8,120	9,066	8,810	9,554
Kansas	6,545	5,682	7,543	8,424	8,460	9,461
Kentucky	^R 6,391	^R 6,533	^R 9,833	^R 7,311	^R 8,595	^R 10,733
Louisiana	80,184	82,631	91,609	96,285	86,299	88,034
Maine	195	167	51	76	314	107
Maryland	3,458	3,072	3,100	3,649	2,909	3,157
Massachusetts	10,866	12,359	11,603	11,651	13,239	13,462
Michigan	21,823	22,132	26,777	29,494	27,728	29,628
Minnesota	5,750	5,771	7,290	8,357	8,061	8,734
Mississippi	7,475	7,919	7,940	9,236	6,432	10,201
Missouri	4,496	4,620	5,627	5,699	7,933	8,705
Montana	1,227	1,228	1,867	2,220	2,222	2,444
Nebraska	2,615	2,590	3,156	2,770	2,967	3,235
Nevada	3,878	2,622	2,322	3,628	4,466	4,120
New Hampshire	277	397	163	378	336	340
New Jersey	12,842	9,178	12,564	12,780	13,187	13,155
New Mexico	3,297	3,553	3,296	^R 2,625	^R 2,536	^R 2,454
New York	24,819	22,445	25,583	26,460	25,367	25,164
North Carolina	7,026	6,697	6,704	7,491	6,309	6,863
North Dakota	2,014	1,855	2,198	1,231	1,553	1,310
Ohio	19,767	20,690	23,206	28,172	28,382	35,041
Oklahoma	10,182	12,669	12,464	12,596	14,486	10,335
Oregon	7,633	7,637	8,199	8,910	9,919	7,431
Pennsylvania	14,559	16,610	17,920	20,257	19,959	20,619
Rhode Island	4,852	5,197	3,625	5,389	2,954	3,491
South Carolina	6,245	6,103	6,097	6,657	5,548	4,712
South Dakota	513	822	866	861	720	602
Tennessee	^R 10,227	10,118	12,554	11,605	11,208	12,126
Texas	^R 135,066	143,541	140,749	164,043	147,429	153,471
Utah	2,866	2,965	3,001	2,766	3,278	3,190
Vermont	176	261	242	309	183	172
Virginia	4,659	5,793	4,896	4,722	6,321	6,874
Washington	10,633	11,763	11,415	11,824	11,331	10,791
West Virginia	NA	NA	3,335	NA	3,457	3,749
Wisconsin	NA	NA	11,397	19,281	16,412	16,149
Wyoming	2,398	2,339	2,155	1,804	1,719	3,068
Total	^R 672,572	^R 697,327	^R 728,603	^R 792,122	^R 752,657	^R 794,377

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	Total	December	November	October	September	August
Alabama	191,010	16,038	15,523	15,063	13,787	15,060
Alaska	72,694	6,000	4,910	5,262	4,647	8,885
Arizona	25,052	2,428	2,175	1,930	2,050	2,060
Arkansas	132,834	11,826	10,831	11,408	9,943	9,944
California	1,350,795	110,101	113,796	134,647	129,442	154,030
Colorado	90,233	9,821	7,493	6,774	6,980	6,683
Connecticut	33,598	2,817	2,851	2,198	2,320	2,974
Delaware	33,103	2,645	2,457	3,112	2,334	2,037
District of Columbia	0	0	0	0	0	0
Florida	139,597	9,767	11,229	10,873	10,589	11,863
Georgia	173,277	12,357	13,270	13,716	13,796	15,060
Hawaii	536	43	47	46	40	42
Idaho ^a	32,464	2,790	2,811	2,765	2,545	2,209
Illinois	335,154	34,634	30,563	23,869	24,114	24,854
Indiana	312,222	30,064	25,863	24,240	23,427	23,508
Iowa	100,368	9,937	9,027	8,208	7,652	7,319
Kansas	108,903	7,927	8,592	7,358	10,961	11,230
Kentucky	100,803	9,159	8,654	7,552	7,329	7,184
Louisiana	899,418	83,603	85,394	85,484	79,940	86,359
Maine	3,927	581	496	334	246	229
Maryland	46,220	4,116	4,128	3,895	3,701	3,968
Massachusetts	151,845	15,068	11,974	12,721	9,554	11,509
Michigan	297,963	29,269	22,875	20,419	19,199	18,894
Minnesota	103,952	9,740	9,486	7,486	8,753	7,051
Mississippi	111,764	9,696	8,905	8,427	8,409	8,777
Missouri	69,186	7,276	6,010	7,323	3,400	3,221
Montana	23,841	2,541	2,232	1,733	1,554	1,331
Nebraska	45,958	3,560	3,326	2,874	5,952	3,093
Nevada	46,573	4,995	4,342	4,718	4,357	4,692
New Hampshire	4,453	357	274	336	290	293
New Jersey	195,301	15,799	14,228	14,735	11,389	11,563
New Mexico	26,086	2,157	2,072	2,210	2,506	2,514
New York	338,202	27,155	26,732	26,539	28,712	30,648
North Carolina	105,416	7,664	8,578	8,600	7,652	7,821
North Dakota	14,795	1,178	1,206	1,450	1,197	1,216
Ohio	332,135	33,353	29,746	24,404	22,608	22,421
Oklahoma	163,919	11,008	11,788	10,874	12,717	12,423
Oregon	104,078	6,515	8,039	8,711	8,622	8,088
Pennsylvania	248,652	21,993	20,298	18,553	18,152	19,081
Rhode Island	46,393	4,322	4,438	3,915	1,630	2,214
South Carolina	97,682	6,668	8,083	7,710	7,075	7,941
South Dakota	6,400	672	780	413	614	746
Tennessee	129,548	12,263	11,502	11,410	10,348	10,032
Texas	2,165,454	194,019	189,111	181,821	177,702	198,331
Utah	39,378	3,617	3,558	3,066	3,058	3,012
Vermont	3,949	228	403	384	370	310
Virginia	100,530	12,253	6,324	5,997	7,739	6,934
Washington	116,233	8,181	8,199	10,328	9,292	9,192
West Virginia	44,421	3,832	3,325	3,250	3,385	3,425
Wisconsin	159,842	18,505	14,483	11,909	10,467	10,373
Wyoming	35,409	2,665	3,195	1,894	2,213	2,043
Total	9,511,565	843,204	805,625	792,947	764,758	824,688

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					
	July	June	May	April	March	February
Alabama	14,164	15,106	16,102	17,256	17,656	17,427
Alaska	6,897	5,776	4,811	6,317	6,678	5,897
Arizona	2,215	2,094	2,160	1,674	2,145	2,071
Arkansas	8,868	9,509	10,932	11,415	12,609	12,473
California	130,855	120,151	105,890	82,450	87,466	86,593
Colorado	6,175	6,851	6,248	8,073	7,903	8,710
Connecticut	2,031	2,446	2,173	2,903	3,635	3,506
Delaware	2,229	2,688	3,019	3,310	3,231	2,904
District of Columbia	0	0	0	0	0	0
Florida	11,360	11,813	12,549	12,575	12,876	11,485
Georgia	14,959	14,742	16,635	14,499	15,457	14,917
Hawaii	46	46	47	44	46	45
Idaho ^a	2,411	2,489	2,680	2,785	2,915	2,950
Illinois	21,166	23,536	24,763	26,429	30,980	34,091
Indiana	22,141	23,076	24,078	24,995	27,987	29,535
Iowa	6,696	7,705	7,035	8,287	9,107	9,414
Kansas	10,410	8,995	8,448	8,169	8,693	8,369
Kentucky	6,899	7,205	7,396	9,076	8,996	10,737
Louisiana	61,748	61,460	67,762	63,826	70,624	71,589
Maine	224	239	243	335	315	356
Maryland	3,972	3,689	3,743	3,626	4,039	3,542
Massachusetts	11,783	11,262	13,522	13,043	14,781	17,424
Michigan	18,582	21,169	24,921	27,681	30,915	31,827
Minnesota	6,582	10,032	5,151	8,848	8,845	11,254
Mississippi	7,831	8,798	9,344	9,999	10,367	9,728
Missouri	4,991	5,045	5,288	5,635	6,830	7,315
Montana	1,398	1,686	1,551	2,242	2,437	2,781
Nebraska	6,141	3,832	2,962	3,371	3,575	3,671
Nevada	3,135	3,537	4,306	3,882	2,913	2,879
New Hampshire	278	328	426	440	558	418
New Jersey	17,928	15,755	16,903	18,329	20,004	20,154
New Mexico	2,166	2,065	1,907	2,009	2,585	1,831
New York	27,204	28,090	28,214	31,160	35,707	23,960
North Carolina	8,042	9,289	9,202	9,057	10,457	9,165
North Dakota	572	1,940	1,000	1,356	1,231	1,176
Ohio	22,232	23,054	25,216	28,307	31,083	33,615
Oklahoma	12,882	15,855	15,012	15,517	14,532	14,287
Oregon	8,040	8,062	8,425	9,638	9,787	9,771
Pennsylvania	18,139	18,980	19,124	21,954	25,068	22,469
Rhode Island	2,269	2,734	3,484	4,323	4,214	5,159
South Carolina	7,623	7,292	9,028	9,331	9,733	8,684
South Dakota	569	504	345	393	413	478
Tennessee	9,443	10,072	10,168	11,340	10,459	11,517
Texas	177,391	190,026	191,809	176,765	149,697	171,947
Utah	3,118	2,695	2,709	3,367	3,680	3,606
Vermont	321	331	303	353	350	357
Virginia	9,367	9,675	7,348	9,309	7,455	10,814
Washington	8,259	9,164	9,610	10,017	10,784	10,988
West Virginia	3,428	3,474	3,671	3,732	4,070	4,190
Wisconsin	9,349	9,861	10,624	13,387	15,139	16,780
Wyoming	1,860	2,369	3,288	3,897	3,488	4,499
Total	746,393	766,587	771,574	766,728	784,515	809,355

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

^R Revised Data.

^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				September	August	July
Alabama	46,227	28,873	18,778	6,602	8,257	7,771
Alaska	23,570	25,775	21,689	2,373	2,600	2,483
Arizona	89,376	65,515	37,852	7,159	9,536	10,766
Arkansas	NA	31,116	34,446	1,634	3,555	3,790
California	97,839	99,374	115,544	9,966	12,184	10,248
Colorado	35,190	23,202	15,051	3,958	4,255	4,738
Connecticut	0	0	10,057	0	0	0
Delaware	400	4,326	17,686	233	81	38
District of Columbia	0	0	0	0	0	0
Florida	236,000	260,584	238,001	38,234	37,384	36,268
Georgia	11,418	20,595	19,184	1,853	3,120	2,742
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	3,973	2,350	36,418	297	1,226	1,352
Indiana	5,300	4,859	7,105	271	1,496	749
Iowa	4,922	3,972	4,388	451	1,245	1,116
Kansas	21,590	29,722	32,944	1,686	5,398	7,576
Kentucky	3,470	3,000	4,912	405	1,056	841
Louisiana	189,357	236,194	264,967	24,115	35,190	30,144
Maine	0	0	0	0	0	0
Maryland	6	17,098	14,290	1	2	1
Massachusetts	1,699	2,719	7,273	451	554	198
Michigan	24,256	33,390	40,998	2,577	6,107	5,271
Minnesota	4,770	4,374	6,081	224	1,520	1,305
Mississippi	84,418	76,852	80,241	17,435	16,388	16,065
Missouri	24,871	27,265	17,850	2,832	6,224	6,128
Montana	144	158	258	3	47	61
Nebraska	3,725	4,462	4,264	191	731	1,246
Nevada	53,890	57,221	48,896	4,112	5,712	5,549
New Hampshire	206	783	416	185	20	0
New Jersey	1,181	16,837	29,164	67	471	166
New Mexico	32,037	32,309	27,669	3,251	4,265	4,905
New York	64,933	81,543	149,548	11,237	14,708	12,049
North Carolina	6,991	9,161	10,391	500	3,173	1,800
North Dakota	3	0	0	0	0	0
Ohio	5,057	5,926	10,147	181	1,267	1,267
Oklahoma	129,920	139,077	141,548	16,613	23,748	27,086
Oregon	35,150	27,302	13,398	3,565	4,246	4,228
Pennsylvania	2,591	2,476	9,217	221	654	593
Rhode Island	0	0	0	0	0	0
South Carolina	1,406	2,713	4,966	62	525	356
South Dakota	4,328	2,648	2,339	205	664	713
Tennessee	47	1,771	3,391	0	0	22
Texas	799,042	1,016,634	982,651	82,891	131,279	134,024
Utah	11,802	7,243	4,437	1,141	1,138	1,121
Vermont	107	763	242	2	2	3
Virginia	12,000	14,736	20,774	3,047	3,536	2,519
Washington	42,306	26,569	2,942	2,507	3,760	5,371
West Virginia	431	325	260	37	104	97
Wisconsin	10,290	9,523	12,334	960	2,328	1,841
Wyoming	2,115	1,108	134	173	186	228
Total	2,146,251	2,462,443	2,525,139	253,907	359,940	354,834

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama	6,482	4,641	3,331	3,623	1,845	3,677
Alaska	2,437	2,265	2,433	2,962	2,844	3,173
Arizona	10,322	13,167	11,380	10,355	9,845	6,845
Arkansas	1,428	1,753	2,511	1,164	NA	1,668
California	9,909	10,925	11,287	10,539	10,510	12,271
Colorado	4,241	3,905	3,979	4,286	3,128	2,700
Connecticut	0	0	0	0	0	0
Delaware	21	5	5	5	6	7
District of Columbia	0	0	0	0	0	0
Florida	31,497	25,687	23,007	18,266	11,945	13,712
Georgia	1,262	1,154	1,138	91	36	22
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	441	312	74	81	93	97
Indiana	630	141	412	188	939	474
Iowa	483	545	362	323	173	225
Kansas	2,043	1,586	988	997	638	678
Kentucky	351	306	205	194	51	61
Louisiana	20,017	19,898	20,504	13,251	11,918	14,320
Maine	0	0	0	0	0	0
Maryland	1	1	0	0	0	0
Massachusetts	125	226	57	71	8	9
Michigan	2,785	1,061	638	1,739	1,565	2,512
Minnesota	446	418	282	253	131	192
Mississippi	8,776	8,837	8,249	3,489	1,703	3,476
Missouri	2,764	2,188	2,192	1,411	654	478
Montana	19	7	1	4	0	1
Nebraska	441	323	330	293	107	65
Nevada	5,526	6,724	5,595	7,607	5,726	7,338
New Hampshire	0	0	0	0	0	0
New Jersey	252	86	61	56	21	0
New Mexico	4,229	4,023	4,031	3,334	2,465	1,536
New York	9,056	5,225	4,271	3,062	2,923	2,404
North Carolina	1,017	315	152	27	0	7
North Dakota	0	1	0	0	0	0
Ohio	589	810	423	340	102	80
Oklahoma	15,635	11,818	10,440	9,542	6,291	8,748
Oregon	4,264	3,452	3,333	3,425	5,099	3,539
Pennsylvania	373	370	109	93	94	84
Rhode Island	0	0	0	0	0	0
South Carolina	281	94	47	10	8	23
South Dakota	455	654	633	599	302	104
Tennessee	23	0	0	2	0	0
Texas	103,980	93,384	79,731	61,306	52,505	59,942
Utah	1,362	1,503	1,489	1,380	1,389	1,278
Vermont	3	54	2	6	3	31
Virginia	1,761	644	331	78	22	62
Washington	3,720	5,798	5,787	5,674	5,604	4,084
West Virginia	60	62	21	18	16	16
Wisconsin	943	756	580	1,015	1,296	572
Wyoming	162	256	384	269	229	229
Total	260,613	235,381	210,784	171,432	142,626	156,734

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	Total	December	November	October	September	August
Alabama	36,344	2,801	2,884	1,786	3,225	7,664
Alaska	35,570	3,503	3,192	3,101	2,874	2,819
Arizona	92,019	8,870	9,180	8,454	10,500	14,122
Arkansas	34,603	1,697	1,240	550	2,346	5,039
California	129,449	10,220	9,776	10,078	13,583	17,611
Colorado	32,148	3,568	2,727	2,651	3,071	4,115
Connecticut	0	0	0	0	0	0
Delaware	4,337	5	5	1	13	27
District of Columbia	0	0	0	0	0	0
Florida	316,486	14,992	17,873	23,037	27,763	32,193
Georgia	21,447	58	327	466	1,941	5,018
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	2,764	130	156	129	279	502
Indiana	7,754	1,986	282	627	1,193	988
Iowa	4,735	257	255	251	486	972
Kansas	33,509	1,239	1,227	1,321	3,667	8,932
Kentucky	4,073	519	359	194	133	464
Louisiana	292,002	17,809	17,447	20,551	27,576	40,290
Maine	0	0	0	0	0	0
Maryland	20,665	109	1,864	1,594	1,308	3,029
Massachusetts	3,190	23	201	247	171	508
Michigan	43,548	3,891	3,325	2,942	2,805	5,522
Minnesota	5,411	413	335	289	268	1,308
Mississippi	89,110	4,617	3,896	3,745	6,197	11,679
Missouri	30,480	1,161	650	1,405	3,470	8,384
Montana	192	25	8	0	5	55
Nebraska	5,508	316	319	410	586	1,519
Nevada	80,037	7,380	7,343	8,092	7,974	9,610
New Hampshire	783	0	0	0	0	0
New Jersey	16,952	54	26	34	100	2,619
New Mexico	38,080	1,757	1,601	2,414	3,002	4,929
New York	95,812	3,242	5,006	6,021	6,761	8,748
North Carolina	9,579	4	210	204	736	2,273
North Dakota	0	0	0	0	0	0
Ohio	6,791	250	323	291	340	1,231
Oklahoma	169,031	11,350	8,367	10,238	18,117	26,734
Oregon	41,500	5,761	4,121	4,316	4,053	4,417
Pennsylvania	2,955	79	193	207	187	382
Rhode Island	0	0	0	0	0	0
South Carolina	2,814	14	55	31	75	650
South Dakota	3,607	311	412	235	460	810
Tennessee	1,829	14	43	0	15	184
Texas	1,245,008	72,445	67,697	88,232	119,309	162,282
Utah	10,544	1,182	1,048	1,071	879	1,222
Vermont	1,023	18	116	127	112	160
Virginia	15,923	235	433	519	562	2,074
Washington	41,173	2,829	4,978	6,796	6,420	7,189
West Virginia	425	33	26	41	74	45
Wisconsin	12,043	1,436	658	426	686	1,787
Wyoming	1,843	239	135	360	213	238
Total	3,043,094	186,846	180,318	213,487	283,535	410,344

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	July	June	May	April	March	February
Alabama	6,473	4,484	3,825	1,449	246	450
Alaska	2,797	2,699	2,831	2,684	2,910	2,789
Arizona	11,522	8,958	6,904	3,983	2,687	3,149
Arkansas	4,641	3,986	3,902	3,267	3,830	3,395
California	15,277	13,724	9,877	5,473	8,114	7,523
Colorado	3,577	2,716	2,585	1,134	1,952	2,152
Connecticut	0	0	0	0	0	0
Delaware	17	1,126	1,307	487	317	383
District of Columbia	0	0	0	0	0	0
Florida	32,272	28,482	31,636	27,953	29,405	24,395
Georgia	6,032	3,627	3,448	242	154	67
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	515	264	359	162	58	55
Indiana	689	238	477	296	158	309
Iowa	628	326	581	241	220	237
Kansas	6,020	2,170	2,730	2,085	1,170	1,492
Kentucky	307	417	767	116	107	162
Louisiana	34,861	29,575	28,352	19,421	20,951	14,370
Maine	0	0	0	0	0	0
Maryland	2,150	4,187	2,603	1,972	1,068	261
Massachusetts	281	344	449	431	289	152
Michigan	2,659	4,210	4,754	3,254	2,589	3,468
Minnesota	790	613	440	268	200	182
Mississippi	11,398	9,777	10,434	6,032	5,957	6,211
Missouri	4,583	2,511	2,932	1,545	1,066	1,259
Montana	32	19	8	0	8	5
Nebraska	926	478	471	178	75	116
Nevada	7,714	7,471	5,848	4,805	4,730	3,875
New Hampshire	0	0	2	187	415	57
New Jersey	2,689	4,157	3,335	1,979	969	536
New Mexico	4,589	3,227	3,567	3,411	3,574	3,059
New York	13,156	11,315	10,633	9,099	9,217	6,988
North Carolina	1,831	2,505	1,613	27	37	55
North Dakota	0	0	0	0	0	0
Ohio	603	626	1,142	610	668	254
Oklahoma	22,244	14,828	16,392	14,196	10,753	6,837
Oregon	4,793	3,061	1,647	565	2,626	2,963
Pennsylvania	214	263	286	272	270	223
Rhode Island	0	0	0	0	0	0
South Carolina	549	720	573	69	27	15
South Dakota	567	421	210	27	57	15
Tennessee	414	235	485	9	18	118
Texas	155,290	124,190	135,107	93,453	87,318	66,364
Utah	1,097	1,258	851	669	607	308
Vermont	130	168	89	62	14	23
Virginia	1,832	1,682	1,928	1,503	1,958	1,336
Washington	5,564	5,106	1,619	111	2	97
West Virginia	26	61	14	24	33	32
Wisconsin	1,221	670	1,761	842	712	1,096
Wyoming	287	321	12	5	8	12
Total	373,256	307,218	308,787	214,599	207,545	166,842

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				September	August	July
Alabama	233,104	224,330	222,374	22,789	24,895	23,738
Alaska	NA	111,162	106,256	10,333	NA	11,102
Arizona	161,649	133,277	107,594	11,843	14,271	16,407
Arkansas	152,495	176,377	191,771	14,072	15,514	^R 13,638
California	1,694,388	1,636,132	1,542,050	163,742	178,678	167,051
Colorado	267,740	210,167	204,170	16,351	17,409	18,540
Connecticut	NA	88,880	97,259	NA	4,841	4,800
Delaware	31,689	40,160	44,499	2,621	2,258	^R 2,319
District of Columbia	24,640	24,622	25,036	1,113	941	1,253
Florida	381,835	415,335	382,278	53,815	^R 52,338	^R 52,183
Georgia	NA	277,344	242,247	20,745	23,651	21,619
Hawaii	2,157	2,137	2,055	226	227	242
Idaho	46,848	46,143	47,261	3,043	2,844	3,293
Illinois	670,398	670,333	701,313	39,237	40,969	42,284
Indiana	NA	401,349	405,563	NA	NA	NA
Iowa	NA	153,732	164,940	10,741	10,866	NA
Kansas	182,192	190,308	192,302	13,266	^R 18,357	^R 19,522
Kentucky	NA	141,531	143,096	NA	^R 9,784	^R 9,542
Louisiana	NA	933,274	965,550	NA	NA	NA
Maine	3,551	5,144	4,204	326	302	278
Maryland	NA	147,748	142,821	NA	8,585	7,439
Massachusetts	245,369	245,140	249,030	16,485	17,877	15,937
Michigan	638,367	643,038	647,058	36,562	37,946	38,563
Minnesota	227,102	225,647	229,226	14,080	14,003	12,706
Mississippi	NA	195,041	202,261	NA	25,627	25,159
Missouri	218,397	198,598	198,662	11,909	15,374	15,429
Montana	39,246	39,475	39,494	2,131	2,148	2,355
Nebraska	89,087	89,898	92,631	5,399	6,284	8,468
Nevada	129,334	128,712	112,015	11,006	13,378	12,096
New Hampshire	14,268	15,639	15,200	855	589	548
New Jersey	419,011	435,796	466,899	25,864	24,993	25,359
New Mexico	100,052	93,517	89,391	7,270	^R 8,165	13,077
New York	NA	935,170	917,321	NA	74,757	67,957
North Carolina	143,329	162,814	158,948	10,633	13,433	11,484
North Dakota	28,426	25,442	28,298	1,952	2,395	1,366
Ohio	584,637	598,679	603,164	32,336	30,175	^R 33,199
Oklahoma	318,839	344,064	358,419	28,117	34,468	41,570
Oregon	NA	156,288	140,641	13,241	NA	16,359
Pennsylvania	NA	470,895	465,643	28,535	27,225	25,139
Rhode Island	NA	57,459	63,104	NA	6,980	6,205
South Carolina	95,521	113,768	114,318	8,517	9,187	9,382
South Dakota	NA	21,852	21,720	1,167	1,678	NA
Tennessee	189,269	179,431	198,355	12,548	^R 13,356	^R 13,075
Texas	2,627,478	2,882,242	2,631,943	280,057	342,915	^R 344,981
Utah	94,868	89,909	91,999	6,464	5,884	6,106
Vermont	6,088	7,759	5,916	363	309	307
Virginia	NA	188,910	189,575	16,185	17,167	14,567
Washington	NA	203,033	176,657	NA	^R 17,580	^R 27,622
West Virginia	72,537	75,847	76,203	5,707	4,774	^R 4,618
Wisconsin	NA	261,550	261,249	17,202	16,415	16,143
Wyoming	38,820	43,493	43,932	3,149	3,013	3,001
Total	14,890,383	15,158,591	14,823,912	1,271,620	^R1,396,290	^R1,383,400

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama	^R 22,397	^R 22,531	^R 24,279	^R 27,936	^R 28,418	^R 36,121
Alaska	9,154	10,251	11,177	13,156	12,312	13,587
Arizona	15,827	19,759	19,016	21,528	23,136	19,862
Arkansas	^R 11,461	^R 14,394	^R 16,273	^R 20,177	^R 19,540	^R 27,427
California	161,947	172,734	189,353	201,309	215,940	243,634
Colorado	19,785	26,081	34,556	42,280	44,037	48,701
Connecticut	NA	5,996	9,977	13,985	14,262	17,311
Delaware	^R 2,376	^R 2,356	^R 3,922	^R 4,931	^R 5,261	^R 5,646
District of Columbia	1,293	1,713	3,327	4,377	4,815	5,808
Florida	^R 46,246	^R 41,540	^R 38,994	^R 34,578	^R 29,070	^R 33,072
Georgia	18,989	20,360	NA	36,829	34,546	49,766
Hawaii	244	237	243	247	237	253
Idaho	3,530	4,306	5,648	6,749	8,519	8,916
Illinois	39,081	46,939	62,502	116,688	131,858	150,840
Indiana	NA	NA	NA	NA	NA	74,920
Iowa	10,825	12,907	17,579	27,117	29,847	33,445
Kansas	11,612	11,196	17,395	26,818	27,907	36,120
Kentucky	^R 8,632	^R 9,548	^R 14,885	^R 21,615	^R 23,081	^R 31,367
Louisiana	103,662	106,573	118,049	117,503	110,494	120,008
Maine	282	323	305	577	875	282
Maryland	8,081	9,013	14,433	21,897	22,949	30,549
Massachusetts	17,173	22,327	31,988	38,765	40,576	44,242
Michigan	41,455	48,392	77,479	112,951	112,343	132,676
Minnesota	12,851	15,177	24,580	39,246	46,046	48,412
Mississippi	18,044	19,073	19,726	NA	16,116	25,837
Missouri	12,509	13,352	22,808	34,281	40,720	52,015
Montana	2,434	3,050	5,028	5,773	8,348	7,981
Nebraska	5,368	6,985	10,895	13,509	15,234	16,945
Nevada	11,925	12,539	12,358	17,758	18,423	19,852
New Hampshire	680	1,293	1,936	2,640	2,874	2,852
New Jersey	24,611	28,088	50,766	70,799	76,848	91,683
New Mexico	9,579	10,186	11,874	^R 11,231	^R 14,550	^R 14,120
New York	78,838	79,561	98,645	122,491	128,504	135,629
North Carolina	11,181	11,104	15,080	20,029	21,182	29,204
North Dakota	2,540	2,622	3,826	3,576	5,277	4,871
Ohio	^R 34,539	^R 41,314	^R 66,285	^R 101,721	^R 109,794	^R 135,276
Oklahoma	^R 29,936	^R 29,593	^R 32,386	^R 39,477	^R 41,253	42,038
Oregon	17,361	15,774	18,202	20,853	24,926	21,583
Pennsylvania	26,178	NA	^R 53,918	NA	80,369	97,252
Rhode Island	6,007	6,970	7,140	10,152	7,850	9,111
South Carolina	8,202	8,506	^R 10,597	12,101	12,786	16,242
South Dakota	^R 1,639	2,433	3,339	4,634	4,871	4,383
Tennessee	^R 13,445	14,261	22,306	27,420	29,379	43,477
Texas	^R 262,860	^R 272,987	259,096	280,561	274,619	309,403
Utah	6,982	7,742	11,148	13,022	17,404	20,115
Vermont	384	598	837	1,091	1,005	1,195
Virginia	10,777	11,849	NA	22,827	26,989	34,420
Washington	27,223	26,323	29,428	32,064	34,661	33,009
West Virginia	^R 4,876	^R 4,806	^R 9,494	^R 11,112	^R 12,293	^R 14,857
Wisconsin	^R 15,935	NA	26,098	54,615	53,130	54,169
Wyoming	3,344	3,674	4,892	5,065	5,914	6,770
Total	^R1,245,951	^R1,338,643	^R1,620,488	^R2,044,641	^R2,132,097	^R2,457,253

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

Table 19

State	2000					
	Total	December	November	October	September	August
Alabama	298,492	31,038	23,174	19,947	19,282	24,928
Alaska	150,666	14,583	12,486	12,435	10,017	13,630
Arizona	184,023	20,652	16,546	13,475	15,434	18,961
Arkansas	242,977	30,258	21,372	14,970	14,540	17,825
California	2,247,921	213,789	199,735	193,758	185,511	211,329
Colorado	299,653	43,946	27,031	18,474	14,580	15,112
Connecticut	123,711	16,169	10,983	7,576	5,511	5,897
Delaware	52,034	4,756	3,498	3,618	2,575	2,436
District of Columbia	33,181	4,731	2,305	1,507	1,265	1,214
Florida	519,190	31,473	34,049	38,263	42,400	47,990
Georgia	394,896	57,665	35,432	23,929	22,194	26,034
Hawaii	2,841	232	240	233	227	221
Idaho	65,046	8,180	6,373	4,313	3,536	2,977
Illinois	1,006,805	171,913	108,105	56,387	44,310	42,649
Indiana	570,431	82,201	50,503	36,328	31,916	29,996
Iowa	224,526	34,772	22,207	13,815	11,309	10,787
Kansas	252,650	30,636	18,769	12,935	17,723	22,839
Kentucky	208,207	33,069	21,263	12,343	10,156	9,941
Louisiana	1,266,837	114,506	109,244	109,800	110,576	129,659
Maine	7,733	1,196	841	552	359	333
Maryland	206,716	27,920	18,923	12,045	9,458	11,018
Massachusetts	332,910	40,276	26,421	21,068	16,081	16,923
Michigan	893,256	127,001	73,045	50,142	37,873	38,018
Minnesota	333,386	53,647	35,138	18,947	15,490	14,141
Mississippi	248,908	22,958	16,325	14,584	16,441	22,172
Missouri	277,875	42,473	20,942	15,856	11,197	16,044
Montana	57,642	8,171	6,118	3,874	2,628	2,135
Nebraska	121,642	15,978	9,377	6,389	8,585	6,341
Nevada	182,188	20,096	17,345	15,984	14,958	16,759
New Hampshire	20,833	2,367	1,772	1,055	767	712
New Jersey	590,675	75,867	46,807	32,204	21,631	32,981
New Mexico	127,696	14,308	10,924	8,677	8,292	9,570
New York	1,248,672	132,667	98,801	81,091	77,438	79,554
North Carolina	221,998	27,014	18,720	13,446	11,135	12,646
North Dakota	36,553	5,043	3,462	2,599	1,775	1,765
Ohio	860,252	133,197	79,100	48,850	35,718	35,410
Oklahoma	442,877	43,731	29,160	25,508	34,279	42,478
Oregon	212,918	22,380	18,168	16,028	14,799	14,319
Pennsylvania	659,740	92,446	57,231	39,111	30,434	29,550
Rhode Island	78,046	8,558	6,700	5,305	2,614	3,113
South Carolina	151,660	15,842	11,945	10,102	8,863	10,164
South Dakota	32,735	5,524	3,633	1,725	1,638	2,050
Tennessee	252,528	35,741	21,139	16,208	13,816	13,154
Texas	3,789,439	329,893	287,491	289,811	314,512	378,616
Utah	136,975	19,656	17,305	9,961	7,660	6,597
Vermont	10,410	949	941	761	641	614
Virginia	262,316	38,207	21,492	13,644	12,776	13,187
Washington	279,757	28,385	25,312	22,916	19,808	19,888
West Virginia	102,616	12,733	7,738	6,297	5,269	5,241
Wisconsin	388,053	63,197	39,779	23,483	17,288	17,559
Wyoming	59,195	6,348	5,710	3,629	3,196	2,873
Total	20,772,291	2,418,338	1,761,121	1,425,960	1,340,476	1,510,349

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001
(Million Cubic Feet) — Continued

State	2000					
	July	June	May	April	March	February
Alabama	22,919	22,099	23,619	24,009	24,998	31,448
Alaska	11,419	10,105	10,453	12,324	14,106	13,183
Arizona	16,692	14,343	12,869	11,156	12,468	15,141
Arkansas	15,704	15,948	18,046	18,547	24,709	25,511
California	186,972	177,466	164,187	147,206	182,967	183,693
Colorado	14,784	16,184	18,731	26,080	31,377	35,091
Connecticut	5,407	5,951	7,702	9,834	14,150	18,144
Delaware	2,686	4,335	5,333	5,280	5,176	5,817
District of Columbia	1,265	1,468	2,086	2,989	3,794	5,401
Florida	47,765	44,616	48,991	45,817	48,405	43,134
Georgia	26,924	24,509	28,691	27,287	31,768	39,848
Hawaii	235	242	243	235	245	243
Idaho	3,306	3,676	4,263	5,612	6,739	7,438
Illinois	37,476	42,177	49,016	77,398	96,165	125,620
Indiana	28,257	29,621	34,683	44,881	52,954	69,087
Iowa	10,275	10,914	12,708	17,180	21,418	26,791
Kansas	19,469	14,367	15,846	18,994	22,379	27,702
Kentucky	9,334	9,897	11,069	15,834	19,015	24,847
Louisiana	99,697	94,409	99,906	89,078	98,477	96,966
Maine	337	352	399	695	779	839
Maryland	10,141	12,730	13,219	16,827	20,177	26,365
Massachusetts	17,450	18,732	25,347	29,566	36,232	49,129
Michigan	34,443	41,984	58,514	80,227	98,106	122,261
Minnesota	13,169	16,924	14,522	26,275	31,473	41,536
Mississippi	20,998	20,381	22,253	19,458	20,766	24,137
Missouri	14,057	11,760	16,199	21,124	28,145	39,749
Montana	2,345	2,820	3,265	4,896	6,251	7,415
Nebraska	8,921	6,599	6,385	10,436	12,651	14,560
Nevada	13,683	13,848	13,523	12,718	14,016	13,161
New Hampshire	720	946	1,332	1,966	2,940	3,030
New Jersey	29,459	32,358	37,330	51,617	66,069	84,357
New Mexico	9,005	8,791	8,332	10,338	12,614	12,553
New York	79,670	83,009	91,712	112,760	146,323	135,176
North Carolina	12,409	15,174	14,964	16,501	22,878	29,589
North Dakota	1,054	2,622	2,007	3,132	3,713	4,374
Ohio	35,142	36,891	48,434	71,605	91,214	115,045
Oklahoma	38,642	34,038	36,568	38,242	37,371	39,263
Oregon	14,910	14,045	14,204	16,057	20,936	22,389
Pennsylvania	28,420	32,185	36,891	55,717	71,030	88,162
Rhode Island	3,194	3,990	5,489	7,439	8,308	10,759
South Carolina	9,786	9,766	12,109	12,975	14,684	18,357
South Dakota	1,665	1,587	1,648	2,192	3,147	3,618
Tennessee	12,848	13,690	15,657	19,875	21,822	33,584
Texas	350,608	332,679	348,352	299,306	270,747	291,534
Utah	6,662	6,401	6,610	8,997	14,968	14,845
Vermont	602	711	732	909	1,097	1,319
Virginia	15,277	15,962	15,706	21,526	24,520	35,704
Washington	17,899	20,078	19,214	21,309	25,798	28,015
West Virginia	5,147	5,486	7,222	8,280	10,969	14,020
Wisconsin	15,446	15,586	21,042	31,757	36,997	46,629
Wyoming	2,754	3,419	4,515	6,021	6,379	7,308
Total	1,387,450	1,377,871	1,492,137	1,640,484	1,894,431	2,173,884

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See

Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				September	August	July	June	May
Alabama	7.04	3.88	3.08	5.45	6.02	5.62	6.47	6.98
Alaska	2.38	1.60	1.31	2.25	2.22	1.91	2.68	2.23
Arizona	5.61	4.11	2.60	3.93	4.05	3.68	4.24	4.92
Arkansas	NA	3.44	2.84	3.93	NA	NA	NA	NA
California	7.68	3.68	2.47	2.71	2.80	2.92	8.08	7.32
Colorado	4.83	2.95	2.14	2.73	3.04	3.14	3.21	3.94
Connecticut	NA	6.27	4.74	NA	8.54	7.96	NA	8.87
Delaware	5.69	2.96	3.64	3.31	3.77	4.80	4.63	5.15
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.94	4.32	3.38	2.98	3.45	3.98	4.56	5.75
Georgia	NA	3.88	3.85	4.28	4.85	NA	6.43	5.77
Hawaii	8.04	8.06	5.14	7.92	7.90	7.92	7.76	7.91
Idaho	5.16	2.97	1.97	3.50	3.12	3.60	4.20	6.00
Illinois	6.45	3.99	2.87	2.60	3.99	3.80	4.56	5.03
Indiana	NA	3.22	2.33	NA	NA	NA	NA	NA
Iowa	NA	4.03	3.07	3.80	4.26	NA	5.40	6.52
Kansas	6.86	3.85	2.83	3.12	4.12	4.17	4.84	6.45
Kentucky	NA	4.07	3.13	NA	3.98	NA	6.45	7.18
Louisiana	NA	3.83	2.55	NA	5.27	NA	4.60	5.64
Maine	NA	5.13	4.36	3.01	6.56	6.61	NA	11.90
Maryland	NA	4.45	3.29	NA	6.26	6.85	7.62	8.14
Massachusetts	7.30	4.87	3.61	6.15	6.69	7.38	6.73	5.78
Michigan	4.22	3.11	2.81	3.86	4.30	4.36	4.46	4.61
Minnesota	6.62	3.70	2.87	3.66	4.08	4.32	4.84	5.51
Mississippi	NA	3.67	2.73	NA	5.95	4.32	4.68	5.43
Missouri	7.24	4.23	3.30	5.33	6.02	6.38	6.47	7.66
Montana	4.45	3.02	2.44	2.23	2.58	2.56	2.33	3.85
Nebraska	7.31	3.79	2.98	4.13	4.18	4.31	4.96	6.28
Nevada	NA	3.97	2.35	4.67	5.22	3.63	3.95	NA
New Hampshire	NA	4.52	3.85	NA	6.56	5.67	3.59	4.75
New Jersey	7.92	5.08	4.49	9.29	^R 7.47	8.33	8.06	9.65
New Mexico	4.69	2.84	2.09	2.07	2.62	2.48	2.80	3.71
New York	NA	4.10	2.82	2.90	3.64	3.38	3.97	5.22
North Carolina	8.01	4.49	3.19	5.02	5.55	5.96	6.07	7.25
North Dakota	NA	3.93	2.84	2.86	3.10	NA	2.93	4.76
Ohio	NA	5.75	4.93	5.13	7.63	NA	8.49	6.29
Oklahoma	7.11	3.42	2.72	5.69	5.01	4.92	5.85	6.61
Oregon	4.81	3.40	2.84	5.42	5.07	5.03	4.85	4.70
Pennsylvania	NA	4.49	3.62	6.32	6.11	6.58	6.75	7.41
Rhode Island	7.74	3.61	3.95	7.90	8.15	7.28	9.96	9.90
South Carolina	7.21	4.47	3.38	4.70	5.01	5.39	5.83	6.94
South Dakota	NA	4.28	3.43	4.61	4.51	NA	3.01	7.30
Tennessee	6.61	3.85	2.87	3.51	4.04	4.10	4.91	5.55
Texas	NA	3.57	2.72	3.16	4.14	4.45	4.78	5.61
Utah	5.99	3.38	2.81	6.65	5.82	5.94	5.48	5.53
Vermont	5.84	3.83	2.93	4.92	5.17	5.72	5.85	6.08
Virginia	7.19	4.38	3.87	5.49	7.43	6.71	7.52	8.13
Washington	NA	3.24	2.46	3.56	4.44	NA	4.07	5.41
West Virginia	NA	3.59	3.42	2.99	4.21	4.53	NA	NA
Wisconsin	NA	3.74	3.00	3.68	5.04	5.17	NA	NA
Wyoming	7.13	4.32	3.42	5.35	6.82	5.26	3.85	6.38
Total	6.53	3.97	3.01	3.66	^R 4.40	4.13	5.36	5.89

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1999-2001
(Dollars per Thousand Cubic Feet) — Continued

State	2001				2000			
	April	March	February	January	Total	December	November	October
Alabama	6.33	6.90	8.60	7.12	4.50	6.00	5.62	6.00
Alaska	2.20	2.55	2.53	2.44	1.60	1.61	1.62	1.62
Arizona	5.22	5.31	6.25	7.91	4.82	7.07	5.51	5.36
Arkansas	NA	NA	NA	NA	4.16	5.64	4.29	5.80
California	7.52	8.36	9.42	12.64	4.32	7.30	5.09	5.17
Colorado	5.21	4.73	5.01	7.10	3.53	5.13	4.04	4.24
Connecticut	9.97	8.65	10.03	11.06	6.73	8.32	7.06	7.30
Delaware	5.96	6.10	7.33	8.30	3.41	4.19	5.44	4.49
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.50	6.30	6.18	10.21	5.10	7.92	6.37	6.65
Georgia	NA	6.65	8.05	8.90	4.64	7.09	5.74	5.31
Hawaii	7.57	7.42	8.78	9.17	8.41	9.81	9.43	9.09
Idaho	5.24	4.10	4.69	6.94	4.02	6.70	4.67	5.27
Illinois	6.09	5.19	6.89	10.53	5.01	7.83	5.33	6.39
Indiana	NA	NA	NA	NA	4.03	6.20	4.54	5.40
Iowa	6.47	6.06	8.01	9.35	5.06	7.38	5.74	6.41
Kansas	6.59	5.92	8.32	10.13	4.52	6.21	5.21	6.46
Kentucky	5.53	5.89	8.65	9.15	4.93	6.75	5.79	6.14
Louisiana	6.06	NA	6.96	10.43	4.61	7.26	5.39	5.80
Maine	5.84	6.53	7.57	6.97	5.30	5.98	4.41	8.23
Maryland	5.23	6.51	6.85	10.03	5.36	7.32	5.87	7.62
Massachusetts	6.40	6.00	7.64	9.42	5.43	7.00	5.69	6.66
Michigan	4.90	3.60	3.52	4.40	3.23	3.67	3.44	3.47
Minnesota	6.00	5.51	7.28	9.37	4.73	7.35	5.66	5.95
Mississippi	6.33	NA	6.44	9.68	4.66	7.47	5.50	5.73
Missouri	7.35	5.60	7.07	8.73	4.96	6.09	5.49	7.03
Montana	4.09	5.03	5.31	7.34	3.55	5.11	4.27	3.93
Nebraska	7.20	6.52	8.10	9.46	4.52	6.03	5.11	5.89
Nevada	6.54	5.53	5.64	6.71	4.79	6.35	6.28	5.26
New Hampshire	4.77	4.88	5.21	6.06	5.34	7.38	7.20	6.24
New Jersey	8.41	6.15	7.48	8.82	5.34	6.66	5.74	7.94
New Mexico	4.55	4.75	5.81	5.56	3.79	6.04	4.98	4.91
New York	NA	5.37	6.47	8.99	4.67	7.13	5.26	6.37
North Carolina	7.20	7.05	9.60	9.87	5.09	6.78	5.77	6.38
North Dakota	5.64	6.00	6.48	9.50	4.60	6.20	5.41	5.81
Ohio	11.56	9.95	10.34	7.87	6.10	7.17	5.64	7.58
Oklahoma	5.95	6.89	9.58	6.59	3.91	5.58	5.60	4.94
Oregon	4.25	4.45	4.67	5.26	3.87	4.86	4.87	4.66
Pennsylvania	NA	NA	NA	NA	5.09	6.32	5.62	6.40
Rhode Island	8.79	8.49	5.95	7.40	4.36	6.70	4.47	7.15
South Carolina	6.87	6.34	7.88	10.46	5.09	6.81	5.87	6.56
South Dakota	7.50	6.58	7.68	9.94	4.81	6.29	4.55	5.57
Tennessee	5.99	6.30	7.73	9.28	4.72	7.14	5.64	6.05
Texas	5.71	NA	7.01	9.10	4.39	6.85	5.26	5.49
Utah	5.51	6.35	6.41	5.83	3.68	4.26	4.17	3.88
Vermont	6.11	6.08	5.99	5.68	4.26	5.21	5.34	5.11
Virginia	4.72	6.61	7.65	8.11	5.34	7.53	6.39	5.82
Washington	5.14	5.13	6.48	9.87	4.16	8.10	4.71	4.35
West Virginia	5.98	NA	4.26	4.25	3.75	3.76	4.01	5.48
Wisconsin	6.41	6.13	6.61	9.93	4.42	5.85	5.12	5.79
Wyoming	6.91	8.98	7.01	8.07	5.07	7.97	5.59	5.50
Total	6.44	6.19	7.25	8.90	4.62	6.64	5.20	5.66

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	September	August	July	June	May	April	March	February
Alabama	5.12	5.22	5.50	5.70	4.20	3.66	3.65	3.17
Alaska	1.60	1.58	1.53	1.59	1.62	1.60	1.64	1.56
Arizona	4.95	4.81	5.66	5.21	3.84	3.54	3.05	5.40
Arkansas	4.95	4.63	4.69	3.95	3.40	3.24	2.94	3.17
California	4.98	4.11	4.77	4.42	3.44	3.40	2.90	2.88
Colorado	3.32	3.56	4.05	3.71	2.91	2.82	2.31	2.99
Connecticut	9.69	7.12	7.54	7.99	6.62	5.67	5.59	6.00
Delaware	2.74	2.53	2.37	2.99	2.82	2.74	3.04	3.29
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.45	4.87	5.31	5.37	4.07	4.12	3.57	3.70
Georgia	5.09	5.17	4.81	4.81	3.67	3.29	3.48	3.62
Hawaii	9.04	8.69	8.17	8.46	8.84	8.05	6.96	7.40
Idaho	3.85	3.60	5.32	4.09	3.12	3.15	2.65	2.54
Illinois	6.05	5.12	5.96	7.23	4.38	3.46	3.30	3.13
Indiana	5.23	3.48	4.87	4.60	3.09	2.92	2.68	2.85
Iowa	5.84	5.45	6.39	5.45	7.00	3.72	3.75	3.47
Kansas	5.87	4.91	5.57	4.82	3.80	3.44	3.49	3.26
Kentucky	5.18	5.17	5.11	4.90	4.94	3.55	3.90	3.88
Louisiana	5.23	4.31	4.81	4.84	3.51	3.57	3.23	3.20
Maine	7.91	8.06	10.85	7.08	4.17	5.01	6.13	3.21
Maryland	6.25	6.70	8.23	8.46	6.74	4.48	4.20	3.95
Massachusetts	7.37	7.37	8.19	8.29	5.85	4.46	4.20	4.69
Michigan	3.32	3.33	3.33	3.02	3.00	3.06	2.90	3.01
Minnesota	5.67	4.92	5.64	5.22	3.64	3.33	3.63	3.22
Mississippi	5.05	4.61	5.08	3.61	3.96	3.08	3.50	3.32
Missouri	7.18	6.89	7.18	7.33	5.66	4.33	3.68	3.40
Montana	3.39	2.86	3.50	3.25	2.90	2.95	3.02	3.05
Nebraska	5.23	4.59	5.54	5.11	3.73	3.69	3.36	3.54
Nevada	4.39	4.09	5.77	5.24	4.39	4.01	3.55	3.72
New Hampshire	6.66	6.42	6.92	5.45	4.02	4.16	4.65	3.91
New Jersey	9.17	6.79	9.01	11.44	6.02	4.91	4.12	3.70
New Mexico	3.66	3.16	3.78	3.77	2.96	2.70	2.50	2.36
New York	5.32	4.58	5.37	4.70	4.00	3.84	3.50	3.52
North Carolina	6.08	5.21	5.99	6.43	4.47	4.05	3.83	3.99
North Dakota	4.66	4.55	8.28	4.78	4.12	3.59	3.66	3.55
Ohio	6.74	7.86	8.41	6.01	7.94	5.96	6.73	4.85
Oklahoma	3.57	4.48	4.14	3.19	3.36	2.88	3.01	2.66
Oregon	3.70	4.17	4.69	4.14	3.58	3.54	3.05	3.14
Pennsylvania	6.64	5.43	7.85	7.13	6.08	4.00	4.37	3.64
Rhode Island	5.65	5.60	5.36	4.87	3.74	2.92	3.17	3.30
South Carolina	6.15	5.47	5.93	5.73	4.55	4.14	3.84	3.84
South Dakota	5.06	5.66	6.92	6.39	7.12	4.09	3.83	4.04
Tennessee	5.09	4.12	5.25	5.00	3.94	4.26	3.08	3.52
Texas	5.02	4.31	4.53	4.43	3.15	3.21	2.87	2.96
Utah	3.43	3.74	3.15	3.14	2.73	3.09	3.68	3.44
Vermont	4.39	4.49	4.08	4.05	4.10	3.71	3.80	3.56
Virginia	7.29	6.87	7.40	6.75	7.28	3.51	3.93	3.98
Washington	3.67	3.76	4.96	4.83	3.22	3.47	2.86	2.82
West Virginia	2.86	7.10	4.97	4.06	3.06	3.26	3.55	3.63
Wisconsin	5.63	5.04	5.88	5.67	4.20	3.41	3.44	3.20
Wyoming	4.51	4.34	4.88	4.69	4.04	4.05	4.09	4.31
Total	5.21	4.63	5.20	5.19	4.15	3.72	3.54	3.48

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the

point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				September	August	July	June	May
Alabama	12.09	8.71	8.20	16.00	16.04	16.16	15.87	14.65
Alaska	4.30	3.55	3.69	4.51	4.74	4.91	4.63	4.36
Arizona	10.34	9.35	9.01	14.98	15.18	14.63	13.55	11.69
Arkansas	NA	7.03	6.85	11.38	NA	^R 11.43	^R 13.45	^R 2.02
California	11.81	7.44	6.54	7.23	8.15	8.63	11.25	11.58
Colorado	9.10	5.74	5.31	13.04	13.57	12.64	11.39	10.05
Connecticut	NA	11.10	10.33	NA	13.93	14.95	NA	12.28
Delaware	10.85	8.04	8.61	14.91	15.77	14.33	13.67	12.36
District of Columbia	13.44	9.83	8.42	13.69	11.24	11.58	11.55	14.96
Florida	16.15	12.42	11.48	17.30	17.46	17.51	17.57	18.95
Georgia	NA	7.19	4.11	10.32	10.99	14.94	11.03	10.81
Hawaii	22.32	21.45	18.68	22.29	22.52	22.14	21.99	22.11
Idaho	8.27	5.83	5.31	10.05	10.29	9.85	9.39	8.93
Illinois	10.61	6.38	5.32	7.63	9.39	9.41	10.33	10.35
Indiana	NA	6.12	6.12	NA	NA	NA	NA	NA
Iowa	NA	7.07	5.96	10.35	11.55	NA	11.16	10.43
Kansas	10.45	6.97	5.82	13.50	^R 12.31	^R 12.28	12.50	11.74
Kentucky	10.43	6.56	5.56	11.81	13.10	^R 13.17	^R 15.23	13.35
Louisiana	NA	7.12	6.50	NA	NA	NA	9.36	9.42
Maine	12.47	9.18	7.72	13.62	16.90	17.96	17.07	10.45
Maryland	NA	9.36	8.28	NA	14.68	7.31	14.63	14.37
Massachusetts	13.35	9.42	9.60	15.30	16.03	14.99	14.09	14.29
Michigan	5.51	5.15	5.15	7.58	8.83	8.59	7.69	7.17
Minnesota	9.88	6.29	5.45	7.31	8.72	8.82	8.76	9.30
Mississippi	NA	6.93	5.79	NA	12.08	11.37	11.54	10.80
Missouri	10.85	7.14	6.23	14.93	15.88	15.24	14.17	12.87
Montana	7.29	5.89	5.12	8.55	8.83	8.81	8.10	7.67
Nebraska	9.00	5.84	4.88	8.92	9.66	9.17	8.97	9.20
Nevada	8.83	6.70	7.27	14.92	11.20	11.28	10.02	9.36
New Hampshire	12.47	9.34	7.35	14.65	15.93	16.39	14.83	10.90
New Jersey	7.45	7.49	7.46	9.22	9.25	8.60	8.40	8.13
New Mexico	10.13	6.03	5.53	8.18	9.94	8.96	10.88	12.47
New York	12.22	9.86	9.01	13.93	14.82	14.83	14.28	13.43
North Carolina	12.80	9.04	8.06	15.50	17.13	16.67	14.85	14.09
North Dakota	8.93	5.66	5.17	7.21	7.03	9.18	9.91	9.24
Ohio	10.59	6.88	6.13	10.59	10.18	13.49	12.36	^R 11.90
Oklahoma	9.00	6.89	5.64	12.33	12.32	12.62	12.23	^R 9.78
Oregon	9.31	7.75	7.12	11.17	11.21	10.79	10.18	9.49
Pennsylvania	NA	8.11	8.37	15.70	16.83	16.40	15.22	NA
Rhode Island	12.01	9.22	9.43	13.54	14.94	14.68	13.70	12.49
South Carolina	12.81	8.62	8.38	13.64	13.95	13.81	13.40	12.35
South Dakota	NA	6.72	5.64	8.73	9.15	NA	^R 8.97	9.26
Tennessee	10.87	6.86	6.25	10.87	^R 12.03	^R 11.80	^R 12.11	11.16
Texas	9.96	6.87	5.95	11.58	6.03	10.79	12.04	10.70
Utah	8.60	6.22	5.29	9.55	9.34	9.36	8.82	9.59
Vermont	9.83	7.82	7.03	14.38	14.14	12.58	11.56	10.39
Virginia	12.79	9.86	8.54	16.58	17.30	17.33	16.41	15.51
Washington	9.78	6.75	5.88	10.92	^R 11.48	^R 11.14	10.72	10.33
West Virginia	NA	7.48	7.43	9.36	9.95	12.92	12.14	NA
Wisconsin	NA	6.68	6.16	6.44	9.17	7.72	^R 8.60	NA
Wyoming	9.20	5.52	5.11	10.66	11.12	12.25	10.03	11.79
Total	10.27	7.32	6.62	10.22	10.70	^R 11.02	11.51	^R 10.94

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001				2000			
	April	March	February	January	Total	December	November	October
Alabama	12.08	12.53	12.05	10.12	9.22	9.74	11.85	12.02
Alaska	4.16	4.19	4.17	4.11	3.57	3.90	3.41	3.52
Arizona	10.47	9.47	9.21	9.10	9.43	8.88	9.93	12.88
Arkansas	^R 12.62	^R 9.94	^R 11.63	^R 9.67	7.43	7.87	7.65	10.37
California	11.89	13.73	13.72	12.07	8.21	10.48	9.54	9.89
Colorado	9.52	9.03	8.60	7.15	6.14	6.71	7.25	7.53
Connecticut	13.10	12.21	13.51	13.09	11.43	11.96	12.13	12.80
Delaware	11.14	10.78	10.31	9.27	8.33	8.52	9.65	12.24
District of Columbia	13.62	13.11	13.64	13.79	10.81	13.31	13.85	14.65
Florida	18.02	19.04	15.60	12.63	12.93	13.43	15.48	15.76
Georgia	NA	9.44	11.55	10.46	8.38	10.22	11.14	10.38
Hawaii	21.71	22.10	22.81	23.21	21.87	23.59	22.88	23.24
Idaho	8.76	8.53	7.96	7.15	6.28	7.04	7.28	7.58
Illinois	9.28	9.62	11.33	11.86	7.33	8.74	8.70	10.12
Indiana	NA	NA	NA	NA	6.42	6.94	6.59	8.31
Iowa	9.34	8.48	9.76	11.16	7.81	9.49	8.03	9.91
Kansas	9.76	9.19	10.00	10.84	7.64	8.84	9.07	10.57
Kentucky	10.87	9.95	10.89	9.18	7.41	8.48	8.77	9.34
Louisiana	8.69	9.36	11.02	11.83	8.34	10.80	10.36	12.48
Maine	15.54	11.39	11.75	11.29	9.71	10.85	10.46	11.19
Maryland	12.68	10.82	12.85	11.94	9.78	10.06	10.49	13.23
Massachusetts	14.39	14.17	12.84	11.24	9.91	11.46	11.08	10.83
Michigan	5.40	4.93	4.92	4.87	5.11	4.76	5.11	5.70
Minnesota	8.67	8.73	9.39	12.62	7.13	8.86	7.84	9.12
Mississippi	10.60	NA	8.74	11.78	7.48	8.35	8.90	10.30
Missouri	11.19	10.76	10.93	9.01	7.85	9.17	9.31	10.73
Montana	7.40	7.40	6.99	6.60	6.04	6.33	6.20	6.36
Nebraska	8.08	8.25	10.31	8.72	6.45	7.54	7.88	9.07
Nevada	8.95	8.47	8.31	7.11	6.63	6.29	6.33	7.47
New Hampshire	11.76	13.02	12.07	11.71	10.07	12.13	12.68	10.99
New Jersey	7.76	7.35	6.96	6.93	7.28	6.98	6.74	6.24
New Mexico	13.43	13.44	9.34	8.25	6.10	6.80	5.78	5.54
New York	11.32	10.99	12.04	12.24	9.86	9.02	10.16	12.15
North Carolina	12.58	12.56	13.28	11.52	9.53	9.97	10.90	12.63
North Dakota	8.25	8.32	9.17	9.74	6.37	7.85	7.70	8.00
Ohio	10.89	10.87	11.02	9.31	7.70	9.41	9.40	9.38
Oklahoma	^R 9.82	8.70	9.09	7.23	7.36	7.77	8.89	10.27
Oregon	9.25	9.09	8.94	8.78	8.12	8.90	9.16	9.40
Pennsylvania	^R 12.44	11.20	11.23	10.09	8.49	9.21	9.19	10.08
Rhode Island	11.98	11.60	11.55	11.34	9.83	10.98	13.26	11.90
South Carolina	^R 11.40	12.38	13.41	12.92	9.15	10.09	10.96	10.34
South Dakota	9.28	8.30	10.40	11.20	7.34	8.62	7.72	9.11
Tennessee	9.89	8.51	14.43	10.15	7.48	8.35	9.54	9.36
Texas	9.49	8.85	9.08	11.21	7.41	8.05	8.57	10.70
Utah	7.97	8.82	8.44	8.26	6.20	6.29	6.12	6.00
Vermont	9.46	9.26	9.23	9.18	8.13	9.34	8.88	8.49
Virginia	12.15	11.27	12.73	12.15	9.98	10.04	9.87	11.96
Washington	10.09	10.09	9.70	8.22	7.16	7.98	8.20	8.72
West Virginia	7.32	NA	7.05	6.97	7.46	7.13	7.61	8.21
Wisconsin	9.58	8.73	9.05	12.21	7.55	9.40	8.48	8.69
Wyoming	6.15	13.00	8.91	7.54	6.11	7.85	6.71	6.73
Total	^R 10.16	^R 9.87	^R 10.34	^R 10.05	7.76	8.56	8.58	9.44

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	September	August	July	June	May	April	March	February
Alabama	13.33	13.39	13.16	12.16	9.48	9.03	9.16	7.18
Alaska	3.74	3.88	4.20	3.86	3.66	3.45	3.53	3.36
Arizona	13.40	13.80	14.46	12.17	10.96	9.04	8.26	8.90
Arkansas	9.65	10.77	10.86	10.18	13.40	6.50	4.65	6.48
California	8.84	8.75	8.93	8.38	7.78	7.20	7.07	7.01
Colorado	9.36	9.22	8.07	6.92	6.05	5.44	5.23	5.18
Connecticut	13.48	12.96	13.66	13.24	11.15	11.17	10.67	10.64
Delaware	13.83	9.53	9.66	9.41	7.19	8.25	7.96	7.76
District of Columbia	15.19	10.80	10.49	9.31	10.70	10.06	9.74	9.42
Florida	16.14	15.96	15.31	14.55	13.77	12.88	11.60	10.31
Georgia	12.95	10.56	9.09	11.43	6.84	5.91	7.84	6.74
Hawaii	22.96	22.67	22.09	22.20	22.11	20.93	20.37	20.31
Idaho	7.84	8.18	7.22	6.21	5.99	5.73	5.59	5.53
Illinois	10.53	10.81	11.16	9.85	8.58	6.22	5.70	5.31
Indiana	8.57	9.97	9.50	9.02	7.76	6.09	5.88	5.67
Iowa	12.73	13.25	12.04	12.99	12.02	6.86	6.22	5.69
Kansas	10.90	12.20	10.76	9.91	8.13	6.89	6.44	6.07
Kentucky	10.41	10.56	10.12	9.56	8.47	6.71	6.17	6.00
Louisiana	11.03	10.98	10.49	10.59	9.50	6.47	6.23	5.80
Maine	12.46	12.87	12.32	10.98	10.45	8.96	9.30	8.10
Maryland	15.75	15.09	15.87	14.15	11.76	9.21	8.95	7.88
Massachusetts	12.18	12.44	11.20	9.24	9.30	9.78	9.38	8.82
Michigan	6.78	7.29	7.21	6.62	5.56	5.05	4.88	4.73
Minnesota	9.41	9.09	9.61	8.91	7.02	6.09	5.84	5.73
Mississippi	10.66	10.44	10.08	10.33	5.96	7.92	6.97	5.75
Missouri	12.72	12.38	11.65	10.77	8.43	6.98	6.40	6.13
Montana	7.21	9.06	8.21	7.28	6.50	5.72	5.50	5.34
Nebraska	9.83	10.24	9.85	8.46	6.95	5.72	5.38	5.06
Nevada	7.98	8.41	8.11	7.67	7.18	6.79	6.25	6.25
New Hampshire	12.55	12.90	12.49	9.26	8.23	7.94	9.60	9.23
New Jersey	6.54	6.37	9.58	9.20	7.65	7.62	7.62	7.20
New Mexico	6.61	7.96	9.62	4.73	9.25	5.05	6.09	5.31
New York	15.05	14.68	14.81	13.30	11.66	9.82	9.55	8.49
North Carolina	15.24	15.29	14.87	12.59	11.00	8.51	9.11	7.62
North Dakota	8.80	10.32	10.30	7.67	6.75	5.43	5.11	4.79
Ohio	10.57	10.88	9.90	8.86	7.42	6.51	6.41	6.19
Oklahoma	11.33	11.59	10.77	10.22	8.82	6.53	6.13	5.79
Oregon	9.41	10.01	9.38	8.51	8.00	7.24	7.54	7.45
Pennsylvania	10.64	11.88	11.38	10.07	9.05	8.17	7.80	7.33
Rhode Island	12.04	12.05	11.86	10.55	9.20	9.38	8.65	8.51
South Carolina	11.46	11.79	10.54	9.94	8.61	8.43	9.07	8.00
South Dakota	11.03	11.19	10.87	10.19	9.27	6.24	5.97	5.87
Tennessee	10.33	10.88	10.66	9.41	7.66	8.28	6.89	5.86
Texas	11.41	11.31	10.52	10.76	7.40	7.02	6.18	5.54
Utah	5.75	6.76	6.98	6.98	6.81	6.35	5.90	6.15
Vermont	9.93	10.09	9.89	8.89	8.11	7.71	7.45	7.33
Virginia	14.08	14.04	14.02	12.16	9.32	8.15	7.50	6.89
Washington	9.31	8.93	7.86	7.04	6.78	6.55	6.45	6.41
West Virginia	10.11	10.81	10.80	9.55	7.76	7.46	7.19	6.98
Wisconsin	8.51	8.77	9.17	9.52	6.56	7.07	6.46	6.16
Wyoming	6.74	7.69	7.61	6.60	5.69	5.46	5.12	5.01
Total	10.10	10.37	10.33	9.50	8.26	7.19	6.91	6.54

^R Revised Data.

NA Not Available.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				September	August	July	June	May
Alabama	10.59	7.19	6.60	11.03	11.25	11.31	11.40	11.22
Alaska	2.51	2.01	2.19	2.46	2.15	2.29	2.16	2.36
Arizona	7.93	6.51	6.14	8.23	8.29	8.23	8.02	8.11
Arkansas	NA	4.75	5.21	6.42	6.73	NA	NA	NA
California	10.48	6.84	6.00	5.36	6.45	7.06	9.31	10.40
Colorado	8.08	4.98	4.49	9.32	9.32	9.13	9.04	9.00
Connecticut	NA	6.28	6.35	NA	7.00	6.87	NA	6.09
Delaware	9.50	6.66	6.96	10.68	11.25	10.98	10.64	10.81
District of Columbia	12.82	8.90	7.13	10.10	10.47	10.97	11.12	12.32
Florida	11.33	7.39	6.43	8.84	9.02	9.32	9.71	12.19
Georgia	NA	6.23	3.62	5.87	6.44	7.28	7.13	7.74
Hawaii	17.52	17.00	13.83	17.30	17.54	17.24	17.17	17.22
Idaho	NA	5.04	4.68	8.49	8.48	8.29	8.25	8.21
Illinois	9.85	5.95	4.99	6.36	7.61	7.37	9.12	8.86
Indiana	NA	5.38	5.22	NA	NA	NA	NA	NA
Iowa	NA	5.80	4.61	6.21	6.80	NA	7.59	8.47
Kansas	9.54	6.10	4.92	7.85	8.33	8.39	9.61	10.13
Kentucky	NA	5.86	4.91	9.41	^R 9.04	^R 10.21	NA	11.23
Louisiana	NA	6.14	5.50	NA	NA	NA	6.57	7.32
Maine	11.14	7.51	6.86	9.16	12.19	13.39	12.71	7.90
Maryland	NA	7.64	6.88	NA	9.16	9.26	10.53	10.97
Massachusetts	12.12	8.11	7.64	10.97	11.03	11.52	11.64	12.59
Michigan	5.20	4.79	4.89	6.36	6.94	7.23	6.79	6.60
Minnesota	8.57	5.16	4.32	4.56	5.32	5.62	6.06	7.43
Mississippi	NA	5.94	4.73	NA	5.70	5.78	6.98	8.19
Missouri	10.17	6.16	5.39	10.67	10.94	10.90	10.85	10.20
Montana	6.75	5.71	5.05	7.84	7.89	8.04	7.72	7.87
Nebraska	7.83	4.78	4.04	4.74	5.26	5.22	6.13	6.92
Nevada	8.70	5.54	6.10	9.01	12.94	8.09	7.91	7.81
New Hampshire	11.54	7.90	6.61	11.66	12.43	12.87	12.03	9.76
New Jersey	8.24	4.99	3.80	6.78	6.74	6.11	6.33	7.05
New Mexico	7.27	4.55	3.98	3.86	5.18	5.55	4.54	7.70
New York	8.28	7.18	5.10	7.94	8.20	8.66	3.96	5.22
North Carolina	10.59	7.04	6.00	8.70	9.35	9.70	9.88	9.88
North Dakota	8.17	4.94	4.33	5.11	5.45	6.36	7.51	7.49
Ohio	10.01	6.22	5.48	8.32	8.42	11.71	11.04	11.26
Oklahoma	9.13	5.87	4.88	8.77	8.09	9.75	^R 9.72	^R 8.32
Oregon	5.16	6.45	5.52	2.37	2.36	2.34	2.62	7.51
Pennsylvania	NA	7.33	7.42	11.55	11.83	12.05	11.44	12.14
Rhode Island	NA	7.99	8.05	11.26	11.77	12.25	NA	10.82
South Carolina	10.66	7.14	6.43	8.67	8.72	9.23	9.04	9.65
South Dakota	NA	5.21	4.33	5.34	5.39	NA	6.90	7.20
Tennessee	9.86	6.13	5.47	8.05	9.02	8.43	9.22	9.04
Texas	8.14	5.16	4.37	5.15	3.84	^R 6.62	^R 7.30	^R 9.56
Utah	7.09	4.64	3.95	6.93	7.13	7.05	6.90	6.87
Vermont	7.79	6.22	5.54	8.85	8.69	7.04	7.99	7.73
Virginia	NA	6.65	5.87	8.77	9.25	10.05	9.95	9.47
Washington	NA	5.61	4.92	2.54	^R 2.64	^R 2.63	NA	9.04
West Virginia	5.70	6.56	6.44	6.64	6.75	7.14	^R 6.71	6.58
Wisconsin	NA	5.44	4.76	4.57	6.40	5.56	^R 6.34	NA
Wyoming	9.04	4.59	4.36	8.85	8.98	9.55	8.67	11.04
Total	8.64	6.03	5.24	6.37	^R6.57	^R7.01	^R6.92	^R8.49

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001				2000			
	April	March	February	January	Total	December	November	October
Alabama	10.68	10.90	11.06	9.46	7.68	8.89	9.40	8.85
Alaska	2.45	2.69	2.75	2.73	2.04	2.30	2.10	1.96
Arizona	7.53	7.57	8.40	7.47	6.69	6.99	7.88	6.83
Arkansas	NA	NA	NA	NA	5.41	6.67	5.67	8.56
California	11.17	13.70	13.76	11.91	7.51	10.41	8.76	8.52
Colorado	8.75	8.21	7.94	6.78	5.37	6.23	6.37	5.93
Connecticut	7.78	8.41	9.78	10.05	6.62	8.38	7.14	5.96
Delaware	10.10	7.96	11.18	7.78	6.98	8.16	7.42	7.92
District of Columbia	12.82	12.55	13.98	14.07	9.62	12.71	12.72	11.58
Florida	12.78	^R 14.06	12.98	^R 10.19	7.70	9.19	8.47	8.11
Georgia	NA	9.77	11.36	10.90	7.02	9.67	9.67	9.64
Hawaii	16.78	17.31	18.15	18.91	17.29	18.30	18.11	18.15
Idaho	8.17	7.81	NA	6.55	5.47	6.33	6.60	6.58
Illinois	8.61	9.10	10.85	11.23	6.90	8.63	8.42	9.50
Indiana	NA	NA	NA	NA	5.74	6.53	5.89	6.80
Iowa	7.68	7.57	8.69	9.11	6.69	8.93	7.26	7.76
Kansas	8.66	8.83	9.88	10.56	6.80	8.49	8.57	8.69
Kentucky	9.58	9.70	10.26	8.68	6.68	8.26	7.83	8.43
Louisiana	7.58	NA	10.41	12.12	7.41	10.95	10.54	10.11
Maine	13.48	10.67	10.89	—	6.06	1.76	3.10	5.00
Maryland	10.94	9.92	12.29	10.99	8.08	8.59	8.82	10.92
Massachusetts	12.54	13.99	12.33	10.51	8.61	10.53	9.63	9.03
Michigan	5.08	4.85	4.80	4.83	4.79	4.68	4.84	5.23
Minnesota	7.74	7.77	9.43	11.44	5.99	8.13	6.83	7.27
Mississippi	8.80	7.92	8.32	11.65	6.48	8.05	7.09	7.74
Missouri	10.46	10.77	10.62	9.05	6.91	9.00	8.41	8.35
Montana	7.52	9.50	5.01	6.82	5.90	6.27	6.22	6.25
Nebraska	7.22	7.79	9.86	8.41	5.48	7.41	6.59	7.44
Nevada	7.79	7.62	7.65	9.88	5.54	5.50	5.50	5.72
New Hampshire	11.34	12.22	11.73	11.18	8.52	10.78	10.37	8.75
New Jersey	7.05	7.18	9.69	9.68	5.92	9.43	7.39	7.35
New Mexico	9.45	8.87	7.85	6.93	4.90	6.26	5.30	4.27
New York	8.45	9.04	11.07	9.63	7.76	12.11	8.73	6.59
North Carolina	10.30	11.48	11.71	10.43	7.61	8.75	9.39	8.83
North Dakota	7.38	7.27	8.59	10.12	5.80	7.67	6.99	7.31
Ohio	10.58	10.44	^R 10.74	^R 8.86	7.01	8.79	8.70	8.36
Oklahoma	^R 8.40	^R 8.94	^R 9.77	9.19	6.37	7.61	7.67	7.75
Oregon	7.70	7.69	7.59	7.52	6.48	6.63	6.64	6.13
Pennsylvania	12.07	NA	NA	NA	7.72	8.67	8.27	8.67
Rhode Island	10.44	10.36	10.42	10.35	8.54	10.32	9.97	10.72
South Carolina	10.11	10.64	12.03	12.35	7.72	9.62	9.27	8.19
South Dakota	7.66	7.20	9.25	10.81	6.05	7.96	6.96	7.22
Tennessee	8.80	8.88	12.47	9.89	6.82	8.65	8.48	8.16
Texas	7.29	8.36	9.55	10.67	5.74	7.36	7.15	7.39
Utah	6.54	7.28	7.23	7.19	4.93	5.46	5.44	5.14
Vermont	7.76	7.69	7.70	7.72	6.49	7.72	7.20	6.28
Virginia	NA	9.34	10.99	10.85	7.57	9.82	9.05	9.03
Washington	9.04	9.05	8.72	7.33	6.01	7.09	7.11	7.11
West Virginia	6.38	^R 6.61	^R 6.60	2.97	6.58	6.53	6.71	6.78
Wisconsin	8.31	7.87	8.30	11.11	6.32	8.34	7.32	7.16
Wyoming	11.72	10.00	8.00	6.96	5.27	7.48	6.17	5.84
Total	^R 8.82	^R 8.99	^R 9.68	9.34	6.59	8.20	7.57	7.49

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	September	August	July	June	May	April	March	February
Alabama	8.63	8.53	8.63	8.14	7.04	7.01	7.31	6.43
Alaska	1.91	1.85	1.75	2.01	1.88	1.95	2.12	2.11
Arizona	6.72	6.55	6.93	6.35	6.37	6.09	6.02	7.70
Arkansas	5.86	5.66	6.32	5.33	7.71	5.19	3.24	4.52
California	7.96	7.29	7.57	6.69	7.04	6.29	6.68	6.73
Colorado	6.13	6.08	5.52	5.14	5.02	4.87	4.74	4.81
Connecticut	4.51	3.97	5.03	6.21	5.30	7.07	6.32	6.88
Delaware	18.75	7.56	7.33	6.94	6.90	6.63	6.45	6.51
District of Columbia	10.93	9.01	7.86	7.92	8.49	8.90	9.11	9.34
Florida	8.28	8.25	8.01	7.68	7.39	7.14	7.02	6.89
Georgia	8.59	8.59	8.22	8.23	2.45	6.89	6.82	6.84
Hawaii	17.96	17.48	17.41	17.66	17.59	16.71	16.09	16.12
Idaho	6.36	6.24	5.65	5.02	5.04	5.05	4.79	4.81
Illinois	9.06	9.29	9.92	10.33	7.59	5.89	5.38	5.05
Indiana	6.13	7.00	6.84	6.30	6.40	5.18	5.26	5.12
Iowa	8.80	8.36	7.84	9.05	9.70	5.54	5.23	4.97
Kansas	7.50	8.17	7.95	7.36	6.55	5.94	5.86	5.55
Kentucky	7.82	8.36	6.98	6.79	6.37	5.69	5.52	5.44
Louisiana	8.01	7.84	7.34	8.07	6.45	5.24	5.20	5.29
Maine	9.58	9.95	9.06	8.08	7.90	7.30	7.72	7.10
Maryland	10.64	10.07	9.26	8.82	7.35	8.25	7.42	7.21
Massachusetts	6.70	8.83	8.02	6.84	7.89	8.35	8.99	7.97
Michigan	5.54	5.81	5.93	5.46	4.93	4.74	4.63	4.59
Minnesota	6.64	5.88	6.63	6.30	5.19	4.98	4.92	4.98
Mississippi	6.88	6.53	6.73	8.96	5.65	5.91	5.65	5.25
Missouri	8.29	8.23	7.19	6.88	6.26	6.11	5.56	5.85
Montana	6.74	7.82	7.09	6.97	6.21	5.61	5.39	5.19
Nebraska	6.16	5.70	5.95	5.56	4.73	4.64	4.65	4.56
Nevada	5.82	5.87	5.81	5.67	5.66	5.51	5.40	5.45
New Hampshire	9.08	8.87	9.16	7.53	7.04	6.84	8.29	8.05
New Jersey	7.70	1.94	3.13	6.51	2.55	6.44	5.60	5.67
New Mexico	4.69	5.64	5.07	3.66	4.78	7.77	4.20	4.13
New York	5.72	4.94	4.80	5.48	6.72	7.88	6.65	10.86
North Carolina	7.93	8.84	7.81	7.11	6.70	6.26	7.46	6.61
North Dakota	6.77	7.49	7.45	5.70	5.35	4.69	4.56	4.36
Ohio	8.63	8.94	8.02	7.33	6.60	5.84	5.86	5.83
Oklahoma	7.23	7.19	7.09	6.80	6.15	5.38	5.56	5.46
Oregon	5.57	5.62	5.70	5.42	5.34	5.32	5.34	5.39
Pennsylvania	7.55	8.99	8.43	7.92	7.86	7.50	7.32	7.11
Rhode Island	10.49	9.65	9.59	8.94	8.36	8.19	7.91	7.59
South Carolina	7.85	7.75	7.00	6.88	6.45	6.85	7.38	7.08
South Dakota	7.76	7.69	7.00	7.18	6.97	4.77	4.64	4.68
Tennessee	7.23	7.78	7.89	6.49	6.10	7.48	6.48	5.84
Texas	6.22	5.95	5.85	6.10	4.78	5.02	4.54	4.76
Utah	4.63	4.73	4.42	4.42	4.39	4.26	4.65	4.72
Vermont	6.45	6.35	6.44	6.38	6.20	6.17	6.17	6.18
Virginia	8.69	7.99	8.53	7.53	6.41	6.32	6.19	6.35
Washington	7.07	6.18	5.59	5.38	5.35	5.32	5.41	5.41
West Virginia	7.24	7.28	7.26	7.35	6.68	6.44	6.52	6.23
Wisconsin	6.73	6.28	6.71	6.52	5.06	5.91	5.36	5.11
Wyoming	5.25	5.64	5.34	5.06	4.76	4.85	3.81	4.57
Total	6.93	6.09	6.56	6.49	5.98	6.04	5.78	5.96

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				September	August	July	June	May
Alabama	6.75	4.22	3.35	4.48	5.15	5.42	5.62	6.67
Alaska	NA	1.43	1.21	1.76	NA	1.53	1.49	1.52
Arizona	5.85	4.19	3.38	5.09	5.73	4.60	5.58	5.78
Arkansas	NA	5.11	3.32	5.47	5.40	4.28	NA	4.39
California	8.92	4.71	3.17	4.50	5.52	6.07	8.32	8.86
Colorado	4.39	3.32	2.77	4.05	4.44	4.48	4.12	4.07
Connecticut	7.19	5.31	4.00	5.05	4.48	3.03	6.10	7.02
Delaware	7.14	4.82	3.97	6.31	6.56	6.67	6.91	8.22
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.50	5.46	3.58	5.89	5.85	6.79	6.41	8.02
Georgia	NA	4.47	3.18	3.94	4.59	5.03	5.31	6.06
Hawaii	11.19	9.68	8.19	10.62	10.89	11.07	11.17	11.23
Idaho	6.18	3.69	3.25	8.17	6.90	6.66	6.37	6.59
Illinois	5.98	4.78	3.80	4.35	4.79	2.03	3.90	2.71
Indiana	NA	4.72	4.20	NA	8.79	NA	8.72	9.74
Iowa	NA	4.63	3.66	5.09	5.39	NA	8.02	6.30
Kansas	5.14	3.85	2.81	4.12	4.49	4.77	5.15	6.04
Kentucky	NA	4.16	3.15	NA	^R 5.06	^R 5.53	^R 5.85	6.26
Louisiana	6.04	3.50	2.37	4.08	4.15	4.54	5.03	5.36
Maine	8.95	3.87	4.99	8.25	6.65	8.06	7.98	8.00
Maryland	NA	7.45	5.60	NA	5.75	NA	10.20	10.66
Massachusetts	10.67	6.86	5.11	9.95	9.47	8.94	9.06	10.33
Michigan	4.56	3.76	3.84	5.05	5.11	5.19	5.63	5.62
Minnesota	5.84	3.85	2.80	3.71	3.74	3.81	4.32	5.57
Mississippi	6.21	4.12	3.13	3.97	4.36	4.81	4.58	6.05
Missouri	8.68	4.87	4.17	7.48	8.01	7.94	8.37	8.57
Montana	5.40	6.94	3.44	6.72	6.72	6.22	6.05	5.08
Nebraska	6.29	4.29	3.27	3.84	4.41	4.28	4.76	5.36
Nevada	NA	4.62	4.71	NA	NA	6.93	7.41	7.39
New Hampshire	9.80	5.57	4.14	4.59	5.80	8.22	9.55	8.00
New Jersey	6.53	4.55	3.48	3.92	4.84	4.87	5.36	6.55
New Mexico	6.35	4.12	2.70	3.31	4.52	4.27	4.23	6.52
New York	NA	5.39	3.70	NA	5.46	6.04	5.73	6.79
North Carolina	7.18	4.86	3.44	5.82	5.24	5.48	5.25	5.87
North Dakota	6.14	3.56	2.65	3.11	3.82	3.68	4.50	5.47
Ohio	9.24	4.65	3.86	8.90	6.94	7.92	11.26	7.57
Oklahoma	8.08	4.85	3.43	6.59	6.82	9.11	8.18	7.97
Oregon	NA	4.63	3.97	5.64	NA	5.46	5.59	5.79
Pennsylvania	7.77	4.72	3.95	6.14	5.81	6.23	6.89	7.42
Rhode Island	NA	4.74	4.17	NA	5.89	5.22	5.70	7.11
South Carolina	6.09	4.54	3.22	3.86	4.33	4.50	5.11	6.30
South Dakota	6.74	3.66	3.22	5.01	5.09	5.19	5.84	5.89
Tennessee	7.33	4.79	3.53	5.63	^R 5.60	^R 5.80	^R 6.44	6.81
Texas	4.34	3.50	2.45	2.56	3.28	^R 3.33	3.91	4.79
Utah	5.46	3.50	2.89	4.93	4.99	4.89	4.42	5.14
Vermont	5.41	2.80	2.83	4.36	4.39	4.71	4.87	4.93
Virginia	7.12	4.83	3.67	5.51	4.10	5.01	4.89	5.61
Washington	NA	3.61	2.68	NA	^R 7.24	NA	6.58	5.25
West Virginia	NA	4.22	2.93	3.54	3.70	3.87	NA	NA
Wisconsin	NA	4.63	3.93	4.04	4.59	4.55	NA	NA
Wyoming	7.42	3.76	3.30	7.82	8.01	8.06	7.52	7.92
Total	5.45	3.96	3.02	3.26	^R3.80	^R3.88	4.75	5.41

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001				2000			
	April	March	February	January	Total	December	November	October
Alabama	7.16	6.75	8.73	9.81	4.67	6.64	5.18	5.66
Alaska	1.51	1.55	1.55	1.56	1.51	2.24	1.54	1.49
Arizona	5.93	5.97	6.74	8.07	4.40	5.97	3.93	5.14
Arkansas	4.20	4.44	NA	5.30	5.23	5.15	6.89	4.71
California	11.74	11.68	11.11	8.95	5.30	7.63	6.66	6.83
Colorado	4.02	3.98	4.91	5.15	3.49	4.03	4.06	3.91
Connecticut	8.05	8.18	11.55	9.87	5.96	9.11	7.28	6.88
Delaware	7.38	11.56	4.62	7.39	5.03	6.60	5.37	4.74
District of Columbia	—	—	—	—	—	—	—	—
Florida	8.40	8.16	7.85	8.13	5.82	7.08	6.57	7.70
Georgia	NA	7.80	9.75	10.30	4.83	6.27	5.69	5.80
Hawaii	11.08	11.04	11.84	11.65	10.17	11.93	11.80	11.16
Idaho	6.89	6.35	5.56	4.87	4.02	5.54	4.82	4.73
Illinois	5.17	7.02	9.57	10.59	5.81	8.23	7.67	7.56
Indiana	9.41	12.41	8.09	8.85	5.00	5.25	5.38	6.05
Iowa	7.87	9.41	8.36	9.46	5.49	7.88	6.18	6.43
Kansas	7.03	7.49	10.27	8.66	4.01	6.59	5.34	5.16
Kentucky	7.23	7.76	8.16	8.35	4.82	7.47	6.44	6.02
Louisiana	5.83	5.88	6.54	10.13	4.02	6.30	4.75	5.31
Maine	9.16	9.43	10.22	9.22	4.10	5.77	5.10	4.32
Maryland	11.71	13.58	21.16	17.19	7.86	9.27	8.36	8.93
Massachusetts	12.69	13.84	9.71	9.44	7.47	9.61	8.75	8.24
Michigan	4.30	4.36	4.30	4.25	3.87	3.96	4.40	4.33
Minnesota	6.24	6.02	6.78	11.91	4.45	6.65	5.27	5.79
Mississippi	6.08	6.44	6.95	11.40	4.66	6.89	5.40	6.19
Missouri	9.09	9.76	10.22	7.63	5.71	8.75	7.25	6.05
Montana	4.91	5.01	6.10	4.75	7.43	8.27	8.39	8.89
Nebraska	6.77	7.16	8.59	7.53	4.74	6.79	5.68	5.07
Nevada	6.86	7.32	7.27	5.46	5.11	6.10	6.26	7.78
New Hampshire	10.92	12.66	11.42	11.24	6.18	10.28	9.48	7.24
New Jersey	5.96	6.55	9.50	9.96	5.15	7.06	8.18	7.28
New Mexico	8.04	6.95	7.37	3.72	4.39	5.56	5.12	4.81
New York	7.98	8.66	10.27	14.24	6.13	11.94	6.59	6.41
North Carolina	6.80	6.40	12.01	9.84	5.31	6.21	10.70	5.94
North Dakota	5.83	5.81	7.08	9.82	4.18	6.15	4.97	5.72
Ohio	10.19	10.29	11.06	7.83	5.12	6.37	5.89	6.11
Oklahoma	7.90	7.89	7.90	8.85	5.30	6.87	6.68	5.82
Oregon	5.80	5.86	5.93	6.21	4.93	6.01	5.65	5.52
Pennsylvania	8.59	9.19	7.43	8.99	5.03	5.88	6.04	5.58
Rhode Island	7.24	7.40	7.99	9.03	5.38	9.16	6.93	6.83
South Carolina	6.61	6.64	7.97	10.41	4.93	7.10	5.66	6.17
South Dakota	5.66	6.42	8.75	7.91	4.38	6.61	5.19	5.30
Tennessee	7.04	7.40	10.26	8.58	5.08	6.94	5.42	5.27
Texas	5.37	5.34	6.31	9.14	4.10	6.76	4.80	5.17
Utah	5.52	5.88	6.18	6.58	3.93	5.79	4.93	4.73
Vermont	4.71	5.44	6.38	8.41	2.99	3.80	3.67	3.19
Virginia	6.14	6.51	9.60	10.11	5.23	7.59	6.63	5.18
Washington	5.73	3.76	6.71	7.42	4.04	7.96	5.06	3.78
West Virginia	6.36	NA	6.69	8.68	4.46	4.85	4.52	6.09
Wisconsin	7.75	7.04	7.61	11.36	5.45	7.68	6.44	6.39
Wyoming	7.65	7.39	6.77	6.77	4.07	5.00	4.70	6.01
Total	6.13	6.35	7.28	8.68	4.48	6.67	5.39	5.45

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	September	August	July	June	May	April	March	February
Alabama	5.20	4.68	4.93	4.87	3.81	3.73	3.92	3.70
Alaska	1.52	1.53	1.48	1.44	1.34	1.43	1.37	1.35
Arizona	5.03	4.15	4.54	4.35	3.86	3.96	3.41	4.85
Arkansas	7.29	6.55	6.42	6.10	4.55	4.47	4.52	3.90
California	6.21	5.10	5.23	4.56	4.62	4.44	4.40	4.45
Colorado	3.62	3.70	3.81	3.62	3.17	3.14	2.96	2.92
Connecticut	5.26	5.54	5.51	4.79	5.05	4.87	5.45	5.48
Delaware	7.00	5.79	7.18	5.14	4.90	5.05	3.98	5.40
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.72	6.26	6.05	6.24	5.68	4.63	5.21	4.53
Georgia	5.13	4.64	4.89	4.73	4.16	4.15	3.93	4.27
Hawaii	10.77	11.21	10.21	10.20	10.13	9.57	8.53	8.48
Idaho	4.10	4.01	4.53	3.47	3.49	3.58	3.47	3.57
Illinois	6.39	6.05	6.55	5.20	4.77	4.30	5.04	3.75
Indiana	4.12	5.05	4.56	4.08	5.43	4.94	4.98	5.77
Iowa	6.13	5.41	5.33	3.62	6.29	4.36	4.35	3.98
Kansas	3.74	3.97	4.10	3.81	3.32	3.85	3.56	4.02
Kentucky	5.76	5.22	4.65	4.28	3.91	3.65	3.50	3.71
Louisiana	4.75	3.99	4.42	4.37	3.14	2.98	2.74	2.76
Maine	4.27	4.16	4.13	4.17	4.46	3.69	3.95	3.51
Maryland	8.50	8.95	7.41	7.45	6.82	6.74	7.22	8.05
Massachusetts	7.79	8.13	6.76	5.43	6.38	6.96	6.84	7.08
Michigan	4.27	4.05	4.12	4.29	3.83	3.75	3.79	3.49
Minnesota	5.03	4.21	4.94	4.68	3.50	3.43	3.26	3.28
Mississippi	5.28	4.59	4.98	4.74	3.66	3.73	3.50	3.54
Missouri	4.31	6.21	5.43	5.00	4.86	4.85	4.53	4.90
Montana	10.59	11.02	9.85	6.49	7.68	0.52	7.30	7.80
Nebraska	5.44	5.14	5.24	4.85	3.83	3.78	3.89	3.83
Nevada	6.54	4.62	5.43	3.95	4.39	3.66	4.68	5.08
New Hampshire	6.34	5.55	6.06	5.61	4.49	5.45	4.05	7.72
New Jersey	5.67	5.76	5.56	4.83	4.19	4.05	3.78	4.38
New Mexico	5.26	5.42	5.07	2.83	3.57	2.40	2.90	2.82
New York	5.37	5.73	4.74	4.85	5.42	5.09	4.46	6.30
North Carolina	5.26	8.81	5.23	3.99	3.64	4.30	4.83	5.26
North Dakota	4.93	4.35	4.65	4.57	5.20	3.13	3.00	2.95
Ohio	6.05	6.62	5.72	4.14	4.82	3.91	4.37	4.57
Oklahoma	5.96	5.72	5.26	5.57	4.03	4.49	4.50	5.10
Oregon	4.32	5.43	4.37	4.30	8.08	4.32	4.41	4.25
Pennsylvania	4.85	4.81	4.43	4.41	4.54	4.40	4.67	4.95
Rhode Island	12.20	5.77	7.04	6.26	4.91	5.23	5.78	5.65
South Carolina	5.67	4.85	5.18	5.19	4.13	4.05	3.99	4.22
South Dakota	4.61	3.53	4.27	4.05	3.85	3.41	3.54	3.48
Tennessee	5.36	5.15	5.50	4.66	4.31	4.80	4.49	4.60
Texas	4.71	4.01	4.40	4.10	3.15	2.94	2.65	2.60
Utah	4.09	4.04	3.16	3.15	3.30	2.81	3.59	3.54
Vermont	3.22	2.93	2.84	2.91	2.56	2.56	2.58	2.82
Virginia	4.85	5.10	4.84	4.06	4.15	4.77	4.73	4.80
Washington	3.31	2.72	2.77	3.01	4.03	3.96	3.98	5.05
West Virginia	4.76	4.08	4.38	4.26	2.06	4.82	3.97	4.45
Wisconsin	5.88	5.12	5.67	5.38	3.91	4.59	4.26	4.29
Wyoming	3.58	6.55	3.52	3.79	3.57	3.40	3.32	3.34
Total	4.88	4.33	4.55	4.24	3.67	3.59	3.54	3.68

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				August	July	June	May	April
Alabama	5.10	4.38	2.64	3.37	3.55	5.21	5.08	5.88
Alaska	2.26	1.69	1.63	2.46	2.44	2.32	2.27	2.32
Arizona	5.16	4.11	2.54	3.64	3.55	3.94	4.46	5.35
Arkansas	4.95	3.87	2.54	3.24	3.53	4.16	5.24	6.68
California	10.08	4.19	2.67	5.98	8.55	8.26	10.64	10.04
Colorado	4.37	3.49	2.61	2.82	2.78	3.36	4.13	5.06
Connecticut	—	—	2.57	—	—	—	—	—
Delaware	4.73	4.82	2.78	4.00	4.16	4.76	—	7.55
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.74	4.08	2.97	4.38	4.53	4.81	5.93	6.35
Georgia	3.92	4.11	2.51	3.26	3.13	3.82	5.21	5.93
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	4.69	4.18	2.35	3.76	4.81	5.23	4.44	6.18
Indiana	5.61	4.19	2.86	4.07	4.56	4.67	5.85	6.05
Iowa	4.80	4.13	2.99	3.57	3.97	4.81	6.49	6.35
Kansas	3.93	3.81	2.31	3.23	3.26	3.89	4.51	5.33
Kentucky	4.82	5.32	3.13	3.75	3.80	4.45	8.53	—
Louisiana	4.95	3.88	2.46	3.22	3.40	4.06	5.03	5.82
Maine	—	—	—	—	—	—	—	—
Maryland	—	4.50	3.04	—	—	—	—	—
Massachusetts	4.36	4.22	2.63	3.57	3.43	4.41	5.04	7.08
Michigan	3.74	2.82	1.60	3.13	3.83	4.52	5.08	5.03
Minnesota	4.86	4.15	2.47	4.15	4.19	4.80	4.66	5.74
Mississippi	4.54	3.60	2.39	3.54	3.59	4.07	4.77	5.52
Missouri	5.11	4.13	2.60	5.01	4.80	4.68	4.37	5.82
Montana	7.27	4.83	4.27	6.26	7.66	7.94	7.66	7.25
Nebraska	4.78	4.31	2.68	3.82	3.83	3.55	3.78	6.88
Nevada	8.37	3.70	2.39	9.42	9.88	7.06	7.04	6.24
New Hampshire	3.54	3.27	2.74	3.54	—	—	—	—
New Jersey	—	4.38	3.03	—	—	—	—	—
New Mexico	4.73	3.49	2.21	3.21	3.40	3.92	4.94	5.45
New York	5.94	4.22	2.72	3.72	3.54	9.26	5.31	6.12
North Carolina	4.90	4.33	2.82	4.63	4.69	5.34	6.06	7.81
North Dakota	6.31	—	—	—	—	—	6.28	—
Ohio	8.40	4.50	3.00	6.51	8.52	9.49	9.45	9.22
Oklahoma	4.96	3.98	2.64	3.49	3.59	4.14	5.41	6.07
Oregon	3.95	2.57	1.84	3.25	3.32	3.59	3.72	4.12
Pennsylvania	7.85	3.51	3.02	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	6.27	5.54	3.61	5.84	6.63	6.28	5.84	6.49
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	4.77	3.68	2.39	3.46	3.49	4.04	4.79	5.48
Utah	4.73	3.43	2.43	3.64	3.69	4.11	3.93	4.32
Vermont	4.90	4.31	3.22	—	—	4.67	4.63	5.84
Virginia	4.97	4.31	3.07	4.05	4.15	5.00	7.54	10.08
Washington	—	—	—	—	—	—	—	—
West Virginia	6.47	4.43	3.00	4.25	4.81	7.87	9.37	6.80
Wisconsin	5.13	4.03	2.85	4.08	3.66	4.65	5.66	6.07
Wyoming	4.08	4.02	4.11	3.03	3.48	2.66	3.71	4.06
Total	5.12	3.76	2.51	3.72	3.83	4.51	5.14	5.70

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001			2000				
	March	February	January	Total	December	November	October	September
Alabama	6.26	6.05	9.75	4.52	1.18	9.80	6.70	4.84
Alaska	2.13	2.13	2.12	1.77	1.96	1.98	1.97	1.82
Arizona	5.69	6.76	9.53	4.86	8.65	6.07	5.49	4.93
Arkansas	5.49	6.31	8.88	4.46	10.81	6.37	5.31	5.24
California	10.33	14.57	12.35	5.88	19.91	7.68	6.19	6.01
Colorado	5.26	6.13	7.11	4.12	7.93	4.97	4.00	3.73
Connecticut	—	—	—	—	—	—	—	—
Delaware	6.94	7.43	10.46	4.92	11.14	8.39	7.84	6.53
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.59	8.91	10.87	4.50	6.63	5.57	6.24	5.54
Georgia	8.07	6.90	7.23	4.31	10.85	8.94	8.81	5.32
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	5.57	6.44	9.49	4.84	10.60	6.57	6.50	6.30
Indiana	6.80	7.98	7.71	4.56	7.71	5.80	6.61	5.97
Iowa	6.23	7.11	5.31	4.56	7.04	5.54	5.98	5.43
Kansas	5.78	6.06	9.10	4.18	8.79	5.74	5.12	4.91
Kentucky	7.18	8.24	10.32	5.08	7.22	5.81	6.26	5.28
Louisiana	5.65	6.88	10.07	4.55	8.97	5.64	5.62	5.19
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	4.62	—	—	—	5.90
Massachusetts	7.14	7.46	13.46	4.60	8.93	5.56	5.94	5.58
Michigan	5.32	5.11	1.33	2.77	2.81	3.16	1.88	1.85
Minnesota	5.31	7.83	11.79	4.54	6.52	5.62	5.73	3.82
Mississippi	5.37	6.38	10.26	4.01	9.29	5.76	5.44	5.10
Missouri	4.89	6.09	12.36	4.42	5.00	6.33	5.40	5.29
Montana	8.32	9.73	10.88	5.81	7.31	13.52	7.46	4.54
Nebraska	5.80	9.75	23.69	4.60	3.62	5.99	5.51	5.62
Nevada	7.60	9.05	10.52	4.86	11.56	7.48	4.87	5.07
New Hampshire	—	—	—	3.37	—	—	—	—
New Jersey	—	—	—	4.42	—	—	—	5.42
New Mexico	6.07	6.06	7.87	3.94	7.35	5.14	4.82	4.58
New York	6.32	8.12	17.03	4.68	10.22	5.65	6.07	5.65
North Carolina	—	—	—	4.43	8.79	7.57	5.60	5.54
North Dakota	6.52	—	—	—	—	—	—	—
Ohio	9.50	9.51	7.47	4.97	6.39	5.81	5.89	6.39
Oklahoma	6.42	6.23	10.20	4.54	7.76	5.29	5.83	5.10
Oregon	4.32	4.16	5.41	2.94	4.74	3.78	2.71	2.67
Pennsylvania	5.53	7.29	11.04	3.83	6.67	6.02	5.77	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	6.89	7.24	10.98	5.72	9.82	7.02	6.55	6.34
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	5.38	6.09	9.01	4.24	7.95	5.23	5.34	4.81
Utah	4.78	6.30	6.92	4.02	6.15	5.23	4.66	3.57
Vermont	5.84	7.69	—	4.91	7.05	6.54	5.60	5.56
Virginia	22.19	34.18	4.00	4.66	2.12	9.11	7.65	7.53
Washington	—	—	—	—	—	—	—	—
West Virginia	8.45	10.14	8.10	4.98	5.73	6.03	6.15	4.87
Wisconsin	5.88	6.57	8.65	4.48	7.23	5.43	5.92	5.29
Wyoming	5.06	4.91	5.00	3.92	4.22	3.47	1.09	8.55
Total	5.69	6.85	9.47	4.38	8.23	5.37	5.17	4.85

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	August	July	June	May	April	March	February	January
Alabama	4.02	4.47	5.00	4.75	3.45	1.41	2.94	4.94
Alaska	1.77	1.75	1.63	1.74	1.75	1.63	1.64	1.62
Arizona	4.45	4.70	4.75	3.77	3.40	3.01	2.94	2.64
Arkansas	4.43	4.69	4.72	3.79	3.20	2.99	2.86	2.84
California	4.85	4.68	4.87	4.19	3.54	3.38	3.23	2.83
Colorado	3.94	4.06	3.96	3.48	3.08	2.86	2.78	2.51
Connecticut	—	—	—	—	—	—	—	—
Delaware	5.30	6.05	5.10	4.20	5.87	5.86	5.86	3.61
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.73	5.10	5.15	3.89	3.68	3.36	3.33	3.03
Georgia	4.02	4.21	4.19	3.93	3.89	3.41	11.20	1.20
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	4.38	4.74	5.11	3.64	3.57	3.11	3.14	2.78
Indiana	4.38	4.43	5.80	4.42	4.19	3.52	3.33	3.29
Iowa	4.57	4.61	5.25	3.81	3.43	3.26	3.19	3.00
Kansas	4.41	3.99	3.87	3.54	3.15	2.92	2.69	2.56
Kentucky	4.73	5.09	6.06	7.17	5.83	4.93	3.59	3.17
Louisiana	4.47	4.64	4.75	3.62	3.22	2.97	2.96	2.71
Maine	—	—	—	—	—	—	—	—
Maryland	5.17	4.69	4.95	4.16	3.69	3.35	3.72	3.84
Massachusetts	5.07	4.74	4.97	3.97	3.67	3.40	3.42	2.98
Michigan	3.26	3.13	3.17	2.85	3.16	3.19	2.06	1.78
Minnesota	4.70	4.76	4.28	3.54	3.27	3.13	3.56	2.62
Mississippi	4.31	3.74	4.44	3.76	3.17	2.84	2.94	2.66
Missouri	4.73	4.45	4.51	3.77	3.23	2.99	2.85	2.75
Montana	5.26	5.35	4.94	3.37	3.53	3.88	3.71	4.13
Nebraska	4.43	4.78	4.33	4.07	3.53	3.31	3.24	2.87
Nevada	4.56	4.13	4.19	3.56	3.03	2.90	2.69	2.99
New Hampshire	—	—	—	3.70	3.47	3.19	3.18	—
New Jersey	—	5.19	4.77	3.79	3.77	3.51	4.15	4.98
New Mexico	4.35	4.38	4.27	3.35	2.99	2.66	2.58	2.47
New York	4.72	4.70	4.82	3.97	3.55	3.47	4.20	3.96
North Carolina	4.90	4.28	4.27	3.70	3.82	4.28	4.35	4.21
North Dakota	—	—	—	—	—	—	—	—
Ohio	5.97	5.35	3.39	5.49	1.25	4.03	4.60	3.46
Oklahoma	4.39	4.54	4.67	3.73	3.30	3.20	3.44	3.08
Oregon	2.40	2.81	3.35	2.75	2.50	2.27	2.20	2.22
Pennsylvania	—	3.18	5.09	3.42	3.28	3.07	3.35	3.24
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	6.26	5.42	5.36	5.03	4.39	4.07	7.47	8.54
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	4.32	4.34	4.40	3.50	3.06	2.83	2.73	2.59
Utah	3.60	3.58	3.79	3.45	3.13	2.96	2.83	2.86
Vermont	4.70	4.40	4.66	3.83	3.56	3.32	3.33	3.09
Virginia	5.31	5.06	5.48	4.09	4.00	3.21	4.01	3.23
Washington	—	—	—	—	—	—	—	—
West Virginia	5.52	5.84	4.19	3.75	4.19	4.10	3.07	4.36
Wisconsin	4.77	4.94	4.86	3.80	3.49	3.23	3.16	3.22
Wyoming	4.61	3.42	4.27	3.72	3.31	2.94	2.70	2.82
Total	4.27	4.35	4.45	3.63	3.23	3.00	2.96	2.74

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.
— Not Applicable.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001

State	YTD 2001		YTD 2000		YTD 1999		2001	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	September	
							Commercial	Industrial
Alabama	79.6	13.3	82.1	21.6	74.0	22.1	70.8	14.1
Alaska	67.4	NA	59.2	99.8	53.2	99.7	68.9	94.4
Arizona	92.4	53.3	83.3	37.1	83.2	34.7	93.4	54.9
Arkansas	NA	NA	88.2	7.4	89.5	9.2	40.9	3.6
California	62.0	3.0	56.3	5.2	57.0	9.5	60.8	4.1
Colorado	99.9	8.2	98.3	12.3	97.3	15.1	100.0	1.3
Connecticut	NA	54.6	78.4	44.0	63.7	57.8	NA	60.4
Delaware	98.6	17.2	98.2	7.9	99.0	18.5	98.8	14.6
District of Columbia	26.4	—	37.7	—	46.3	—	19.2	—
Florida	53.2	2.4	68.2	4.5	95.0	5.4	41.7	1.7
Georgia	NA	NA	20.0	18.8	80.6	22.8	9.9	5.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	82.2	2.3	87.2	2.7	86.9	2.8	75.9	1.6
Illinois	39.8	11.8	41.5	7.9	43.4	9.2	30.9	7.3
Indiana	NA	NA	76.7	8.4	79.1	5.7	NA	NA
Iowa	NA	NA	80.2	6.1	83.6	7.3	60.1	4.4
Kansas	62.9	8.4	60.0	11.9	69.2	10.7	53.5	14.0
Kentucky	81.5	NA	85.9	19.0	88.0	17.2	69.7	NA
Louisiana	NA	6.7	96.7	11.2	94.1	8.3	NA	6.4
Maine	100.0	59.5	100.0	54.2	100.0	78.6	100.0	19.1
Maryland	NA	NA	36.6	5.2	33.4	5.6	NA	NA
Massachusetts	59.3	15.3	62.7	13.3	56.3	17.2	45.1	17.8
Michigan	63.1	9.0	57.0	7.3	56.7	9.0	49.2	5.8
Minnesota	98.6	40.6	96.9	38.3	97.2	38.5	98.7	36.5
Mississippi	NA	26.2	95.6	26.4	96.2	26.6	NA	28.0
Missouri	82.2	14.0	81.1	17.5	79.2	19.0	67.2	9.0
Montana	76.3	2.2	70.9	1.8	78.5	1.5	67.7	1.0
Nebraska	62.1	17.0	61.0	12.7	65.2	13.6	58.1	11.8
Nevada	69.9	5.0	52.4	4.7	61.4	7.8	79.8	33.4
New Hampshire	87.1	27.2	88.4	36.6	93.8	22.9	52.6	31.6
New Jersey	43.7	22.0	56.6	45.8	55.5	45.7	39.8	17.8
New Mexico	63.3	18.3	56.4	18.1	60.8	15.4	63.6	12.3
New York	52.2	NA	35.9	3.4	57.9	3.6	21.0	NA
North Carolina	95.2	30.8	97.1	54.6	94.4	50.4	86.9	19.9
North Dakota	89.6	8.7	88.0	15.2	87.8	13.9	84.5	8.1
Ohio	41.2	3.4	44.8	5.1	47.2	4.1	24.8	0.5
Oklahoma	59.5	3.5	70.6	3.8	72.6	3.8	35.1	2.6
Oregon	98.7	NA	98.8	12.2	98.8	14.3	100.0	23.1
Pennsylvania	NA	9.1	59.3	11.1	57.6	11.4	52.9	6.5
Rhode Island	60.5	NA	54.6	6.1	54.7	4.3	47.3	NA
South Carolina	92.1	80.4	98.9	86.9	97.2	86.0	93.6	77.5
South Dakota	NA	23.5	81.4	27.2	81.3	37.9	75.6	17.2
Tennessee	92.5	20.4	92.3	38.2	88.0	35.3	86.3	18.7
Texas	50.0	31.1	76.9	29.2	77.2	22.0	62.7	45.1
Utah	84.7	10.3	83.0	10.0	82.1	9.6	78.3	94.8
Vermont	100.0	76.4	100.0	83.3	100.0	75.8	100.0	71.0
Virginia	NA	8.5	64.2	13.6	66.7	11.4	54.8	10.1
Washington	96.1	NA	94.5	26.7	88.8	25.0	97.4	NA
West Virginia	68.4	NA	53.4	6.9	52.4	12.2	48.7	6.7
Wisconsin	NA	NA	77.4	20.6	78.6	20.0	60.2	10.3
Wyoming	69.6	4.5	89.9	2.9	90.9	3.0	89.6	2.9
Total	63.0	15.3	62.2	17.9	66.5	16.9	53.5	18.2

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2001							
	August		July		June		May	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	71.8	13.9	71.7	13.5	70.7	13.8	73.3	10.1
Alaska	71.6	NA	70.6	91.5	73.2	92.8	65.6	97.2
Arizona	91.6	45.8	92.8	65.5	93.9	56.8	92.7	53.9
Arkansas	38.9	3.9	NA	10.3	NA	NA	NA	10.8
California	60.6	4.3	60.1	4.2	66.5	5.0	63.0	5.8
Colorado	100.0	2.2	100.0	2.2	100.0	1.0	100.0	0.5
Connecticut	71.6	63.5	77.8	37.6	NA	46.8	77.5	61.3
Delaware	98.5	12.0	100.0	15.2	98.4	20.9	98.5	15.2
District of Columbia	27.1	—	19.0	—	21.3	—	23.9	—
Florida	^R 45.5	2.3	46.3	1.4	49.5	4.6	53.4	4.2
Georgia	12.0	5.2	11.0	5.5	13.3	6.2	13.3	6.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	61.9	1.9	61.6	1.6	64.3	1.7	69.5	2.1
Illinois	23.2	5.6	26.7	5.4	25.5	6.2	33.6	6.6
Indiana	NA	0.8	NA	NA	NA	3.3	NA	3.8
Iowa	81.7	4.4	NA	NA	71.5	2.7	69.7	6.0
Kansas	50.3	18.8	52.0	15.6	52.9	7.9	55.4	6.4
Kentucky	^R 75.0	^R 14.6	^R 71.5	^R 14.6	63.9	13.3	73.6	15.0
Louisiana	NA	4.6	NA	5.3	95.6	3.2	95.7	4.3
Maine	100.0	41.5	100.0	50.8	100.0	46.2	100.0	38.2
Maryland	28.6	6.7	28.2	1.9	28.2	2.4	30.4	4.1
Massachusetts	45.5	9.9	49.0	13.5	45.7	19.6	48.7	22.7
Michigan	40.1	5.6	41.6	5.0	48.3	5.1	57.8	8.3
Minnesota	97.6	44.4	98.8	38.8	99.4	38.8	97.6	35.3
Mississippi	93.6	29.4	93.4	25.9	93.9	31.9	92.5	24.3
Missouri	65.4	7.3	67.9	8.9	69.8	9.5	71.6	10.4
Montana	69.8	0.1	68.6	0.9	69.0	1.9	68.7	2.3
Nebraska	61.3	11.4	60.6	7.3	56.1	14.9	51.4	17.6
Nevada	81.3	36.7	82.0	36.5	54.8	11.8	58.0	12.0
New Hampshire	45.6	21.3	84.0	10.0	88.6	13.4	82.5	21.4
New Jersey	36.6	3.7	36.7	3.2	37.7	4.8	39.9	21.1
New Mexico	64.4	^R 11.7	62.4	3.8	60.1	5.3	60.6	5.5
New York	22.9	17.5	22.3	17.1	55.1	18.9	56.2	20.9
North Carolina	86.1	17.9	87.1	21.3	88.3	25.3	93.5	28.6
North Dakota	84.1	4.8	83.8	1.1	82.0	5.6	85.8	5.9
Ohio	27.2	2.1	26.9	0.7	28.0	1.5	27.2	1.7
Oklahoma	42.5	2.5	33.6	1.5	^R 40.2	2.0	^R 51.5	1.8
Oregon	99.8	NA	90.9	26.5	99.7	21.0	99.2	20.8
Pennsylvania	54.5	6.0	57.4	6.4	58.3	4.0	59.2	6.2
Rhode Island	46.2	100.0	44.1	100.0	52.6	100.0	60.2	100.0
South Carolina	95.8	77.8	51.5	77.9	96.0	77.4	96.5	76.5
South Dakota	75.3	15.5	NA	13.8	78.2	18.6	83.9	14.1
Tennessee	82.8	^R 17.5	85.4	^R 17.6	87.5	^R 20.0	88.2	18.1
Texas	59.3	42.3	^R 47.8	^R 43.0	^R 49.7	^R 22.3	^R 31.7	21.3
Utah	76.5	95.3	76.4	95.6	76.9	95.5	80.0	94.8
Vermont	100.0	68.1	100.0	66.3	100.0	68.4	100.0	75.6
Virginia	51.6	8.1	50.0	3.6	59.5	16.3	57.0	8.8
Washington	^R 97.1	^R 11.6	^R 97.7	7.9	97.7	30.7	89.9	30.9
West Virginia	49.2	10.1	52.4	8.8	^R 44.5	NA	52.6	NA
Wisconsin	56.6	11.7	68.8	11.6	^R 67.8	NA	NA	NA
Wyoming	79.2	2.9	84.4	2.6	97.2	3.3	93.6	2.8
Total	^R 53.7	^R 17.2	^R 53.3	^R 17.9	^R 60.8	^R 12.1	^R 56.5	12.0

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2001							
	April		March		February		January	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.6	12.6	77.3	12.2	84.3	15.0	85.8	16.7
Alaska	65.7	99.7	67.9	99.6	64.6	99.6	65.3	99.6
Arizona	89.3	51.4	95.7	50.8	91.5	52.5	91.6	44.7
Arkansas	NA	10.7	NA	13.6	NA	NA	NA	14.6
California	52.2	6.7	64.6	8.5	66.8	8.5	64.1	9.5
Colorado	100.0	0.2	99.8	—	100.0	0.1	99.9	—
Connecticut	73.1	52.8	77.8	53.5	74.4	51.2	76.5	68.4
Delaware	98.7	13.4	98.5	20.4	98.7	29.7	98.4	11.1
District of Columbia	24.1	—	28.8	—	28.2	—	32.5	—
Florida	57.7	3.5	^R 56.3	2.8	59.2	3.7	^R 60.7	4.7
Georgia	NA	NA	9.1	6.7	13.5	8.2	12.0	9.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.4	2.1	88.6	2.5	90.3	3.2	88.8	3.3
Illinois	40.4	8.2	42.6	10.8	43.7	13.6	46.6	13.4
Indiana	NA	6.3	NA	6.5	NA	13.3	NA	14.2
Iowa	77.2	4.7	83.2	6.3	84.9	8.8	92.6	8.0
Kansas	67.1	2.4	64.8	2.6	63.8	2.4	68.1	2.5
Kentucky	75.6	^R 11.6	82.7	16.4	84.0	18.9	88.0	23.7
Louisiana	97.2	8.6	NA	6.3	97.0	8.3	96.2	8.5
Maine	100.0	91.0	100.0	93.6	100.0	98.4	—	94.1
Maryland	35.2	3.3	46.2	3.9	45.4	4.8	44.6	7.8
Massachusetts	61.8	25.2	63.9	42.5	63.4	34.6	67.4	34.6
Michigan	62.6	12.5	68.2	14.4	68.8	16.2	68.4	17.6
Minnesota	98.6	41.4	99.4	48.0	98.7	53.0	98.0	28.0
Mississippi	95.1	31.8	95.7	25.3	87.3	35.1	96.6	29.0
Missouri	82.6	13.5	83.5	18.0	85.6	15.7	89.4	23.7
Montana	75.1	2.6	61.8	2.8	88.2	3.1	76.3	3.0
Nebraska	53.7	18.7	60.7	27.5	61.8	26.8	78.2	23.1
Nevada	64.2	18.1	65.3	15.4	73.5	23.1	73.8	30.0
New Hampshire	92.1	60.2	90.4	30.9	91.9	35.8	90.3	30.7
New Jersey	46.6	13.5	47.9	15.0	43.6	26.3	44.1	25.5
New Mexico	48.5	47.9	66.4	^R 31.2	68.0	^R 27.4	67.9	^R 22.4
New York	65.0	17.6	66.5	21.1	69.2	25.0	67.7	15.1
North Carolina	96.1	30.0	96.9	28.5	98.2	31.0	98.8	38.3
North Dakota	88.9	8.3	89.4	16.8	92.2	13.9	92.3	15.3
Ohio	40.5	2.8	43.9	4.7	^R 42.9	4.4	^R 50.3	6.1
Oklahoma	61.0	3.2	^R 58.8	4.3	^R 61.5	4.9	82.4	8.2
Oregon	99.4	20.5	100.0	18.9	100.0	17.3	100.0	27.5
Pennsylvania	62.3	8.2	NA	9.1	NA	13.6	NA	14.4
Rhode Island	63.9	100.0	62.5	100.0	64.9	100.0	64.4	100.0
South Carolina	97.4	81.5	96.8	81.4	98.3	86.5	99.0	91.1
South Dakota	84.1	21.7	86.7	27.3	85.1	34.3	88.3	43.5
Tennessee	92.8	18.0	92.8	22.3	95.0	22.8	95.8	26.8
Texas	50.6	22.0	50.4	21.3	48.3	22.8	56.0	23.6
Utah	84.6	92.2	85.7	94.0	87.6	94.2	88.4	94.9
Vermont	100.0	79.4	100.0	79.7	100.0	80.4	100.0	96.0
Virginia	NA	12.4	77.9	14.3	79.8	16.7	75.3	19.3
Washington	96.0	33.5	94.8	38.9	94.9	37.0	95.1	39.7
West Virginia	72.7	9.7	^R 76.9	NA	^R 80.1	6.9	^R 76.9	6.5
Wisconsin	75.5	17.3	73.8	25.1	81.1	25.4	81.7	24.1
Wyoming	66.5	4.8	57.3	7.3	59.6	8.1	79.3	5.2
Total	^R63.4	13.8	^R65.8	14.4	^R66.9	15.6	^R69.0	15.8

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	Total		December		November		October	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	81.2	22.5	83.6	27.5	73.7	24.9	74.2	22.7
Alaska	59.2	99.8	60.4	99.6	57.9	99.6	59.3	99.6
Arizona	83.7	38.0	89.8	36.9	82.9	46.0	77.5	39.2
Arkansas	89.9	8.2	95.5	13.9	93.0	8.3	82.4	8.8
California	57.5	5.1	63.5	5.8	56.4	5.2	57.0	3.8
Colorado	97.4	12.1	96.1	10.6	95.7	12.2	93.1	11.5
Connecticut	78.4	46.0	78.9	48.4	75.7	53.9	79.8	56.1
Delaware	98.0	8.1	97.5	9.0	97.5	11.7	97.8	5.9
District of Columbia	35.6	—	32.7	—	27.2	—	23.5	—
Florida	67.5	4.4	67.5	4.1	63.1	3.4	64.0	4.5
Georgia	17.0	19.3	11.1	21.2	10.8	22.7	14.7	19.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.3	2.7	87.9	2.8	83.2	2.3	76.4	2.4
Illinois	41.9	8.7	43.5	13.2	45.2	10.9	34.1	7.0
Indiana	78.0	9.8	83.0	16.2	79.3	15.6	73.0	9.6
Iowa	81.1	7.0	84.2	11.9	82.2	8.2	77.1	7.2
Kansas	58.3	10.3	60.1	2.7	44.7	3.6	49.0	7.6
Kentucky	85.6	19.1	84.2	22.5	87.2	17.5	83.8	17.4
Louisiana	96.3	11.0	95.3	10.9	94.5	10.8	96.2	9.6
Maine	100.0	43.5	100.0	16.4	100.0	23.5	100.0	39.2
Maryland	39.2	5.3	50.4	6.4	42.1	2.8	38.2	7.6
Massachusetts	63.1	13.5	67.9	18.4	61.4	14.9	58.3	8.8
Michigan	58.6	7.8	67.8	12.5	60.0	8.1	50.8	6.3
Minnesota	97.3	40.0	98.3	46.3	97.5	44.7	98.9	43.3
Mississippi	95.5	27.1	96.2	29.9	94.8	28.3	94.7	29.9
Missouri	80.1	17.1	84.4	25.4	73.3	14.0	62.5	9.1
Montana	73.5	1.9	81.7	3.1	78.3	2.1	73.3	1.6
Nebraska	60.5	13.8	53.8	18.5	70.2	18.6	65.3	16.2
Nevada	54.7	4.4	74.7	4.9	53.7	4.0	47.3	2.4
New Hampshire	86.4	34.8	80.6	31.7	83.6	23.7	77.4	27.7
New Jersey	56.9	44.4	56.1	44.6	62.2	41.1	53.9	33.5
New Mexico	61.4	18.9	71.9	15.7	74.0	20.6	75.9	28.2
New York	36.0	3.4	37.8	3.7	34.9	3.4	34.4	3.2
North Carolina	96.5	52.5	96.8	41.4	89.8	28.5	99.5	66.5
North Dakota	89.3	16.1	92.8	25.3	91.7	19.7	87.8	11.8
Ohio	45.0	5.5	49.6	8.3	42.3	7.5	39.0	2.7
Oklahoma	72.3	4.1	82.8	7.9	72.7	4.1	56.9	3.2
Oregon	98.8	13.0	98.8	20.3	98.8	14.6	98.8	12.7
Pennsylvania	60.5	11.6	66.3	16.0	62.0	12.6	55.7	10.7
Rhode Island	53.3	5.9	55.0	3.3	45.8	6.4	40.0	6.1
South Carolina	98.7	86.5	98.6	85.7	96.1	82.7	100.0	87.7
South Dakota	83.1	28.3	89.6	42.4	83.2	24.1	80.8	26.2
Tennessee	92.5	38.4	94.6	35.6	92.5	37.6	88.6	43.6
Texas	76.3	30.1	77.8	34.0	72.2	36.4	71.9	27.6
Utah	83.9	10.0	87.0	10.0	85.6	10.0	79.7	9.7
Vermont	100.0	83.8	100.0	93.0	100.0	83.9	100.0	82.3
Virginia	66.4	13.4	74.1	8.7	69.5	19.1	66.1	14.9
Washington	92.7	27.1	95.4	27.1	76.8	29.1	93.6	28.7
West Virginia	56.6	7.6	75.2	11.7	58.7	11.1	50.4	6.8
Wisconsin	78.1	22.4	82.4	32.9	78.4	25.3	71.3	19.8
Wyoming	90.0	2.9	96.8	3.0	84.2	2.6	87.0	3.2
Total	62.9	18.1	67.5	20.4	63.0	19.8	58.5	16.6

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	September		August		July		June	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	76.3	21.5	79.3	21.2	79.0	20.4	77.2	20.3
Alaska	61.5	99.7	63.8	99.9	64.3	99.9	70.2	99.9
Arizona	80.6	33.0	84.1	33.7	81.4	32.3	82.0	37.6
Arkansas	76.9	5.5	84.9	6.3	80.7	6.8	82.7	7.3
California	49.8	3.7	47.5	3.5	52.3	4.0	59.3	4.2
Colorado	99.1	11.6	99.3	14.5	96.4	15.1	95.8	14.3
Connecticut	82.7	35.7	81.0	62.8	83.0	48.7	80.7	42.0
Delaware	94.9	9.3	98.5	7.0	98.7	2.4	98.3	7.4
District of Columbia	20.5	—	22.4	—	29.4	—	28.8	—
Florida	64.7	4.4	64.7	4.2	65.2	4.1	66.4	5.3
Georgia	16.9	17.6	16.3	16.7	16.4	15.8	19.1	16.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	80.6	1.9	81.9	2.5	83.3	2.1	84.4	2.0
Illinois	34.1	6.6	30.0	5.4	27.3	6.2	26.9	5.5
Indiana	70.3	10.2	66.6	8.1	67.1	8.2	65.2	8.5
Iowa	71.7	5.8	77.7	4.5	71.5	3.6	68.9	7.0
Kansas	52.3	15.6	44.6	21.4	45.4	20.1	47.6	13.9
Kentucky	81.8	16.3	80.8	19.3	81.7	17.7	78.5	19.8
Louisiana	96.1	10.1	96.1	9.5	95.9	12.7	96.7	12.0
Maine	100.0	47.4	100.0	44.0	100.0	51.7	100.0	60.5
Maryland	30.4	6.9	33.3	2.6	29.7	6.7	25.2	3.2
Massachusetts	67.6	9.8	51.2	6.6	51.1	9.9	50.8	11.1
Michigan	43.2	4.0	41.4	4.0	36.9	4.3	41.9	4.9
Minnesota	99.0	34.7	98.6	42.2	97.3	38.0	96.3	25.7
Mississippi	94.4	25.7	93.5	30.2	94.2	28.0	92.8	27.3
Missouri	81.5	25.2	67.3	15.5	70.0	11.4	69.2	11.2
Montana	68.7	0.8	65.1	0.8	65.8	0.9	60.0	1.1
Nebraska	62.9	6.8	64.9	14.8	67.6	6.0	48.4	11.3
Nevada	44.7	1.9	40.9	1.8	35.5	2.9	45.0	3.2
New Hampshire	73.3	32.0	69.5	33.3	73.3	37.0	78.1	35.5
New Jersey	41.5	37.0	81.7	43.4	42.1	28.4	55.3	54.6
New Mexico	44.4	28.4	56.9	26.2	51.6	18.7	46.8	19.5
New York	37.7	3.6	38.9	3.1	37.8	3.0	33.9	2.8
North Carolina	99.8	63.9	84.9	30.8	100.0	69.8	100.0	74.0
North Dakota	82.4	9.1	83.6	9.9	80.2	16.2	82.6	5.1
Ohio	35.6	2.4	33.7	1.9	33.5	3.0	29.1	3.4
Oklahoma	47.7	2.7	53.4	2.8	50.1	2.8	69.5	2.3
Oregon	98.8	12.2	98.8	9.8	98.8	11.7	98.8	12.6
Pennsylvania	62.9	11.0	51.0	10.8	54.4	11.3	59.2	10.0
Rhode Island	38.9	4.6	39.4	5.9	41.7	4.3	46.0	5.9
South Carolina	100.0	88.3	96.1	82.9	100.0	88.6	100.0	88.4
South Dakota	72.2	12.9	78.8	10.7	74.0	13.9	74.8	18.5
Tennessee	78.0	41.4	88.2	32.6	86.6	32.7	88.0	43.3
Texas	72.2	28.9	73.3	31.7	73.9	31.6	76.4	30.5
Utah	79.7	10.0	74.5	10.7	77.3	10.1	77.3	11.6
Vermont	100.0	82.9	100.0	79.6	100.0	81.0	100.0	92.4
Virginia	62.7	12.9	55.9	14.0	54.7	11.2	53.0	10.1
Washington	91.9	28.6	91.5	26.7	92.1	26.1	92.0	24.2
West Virginia	35.9	6.2	36.5	5.8	39.6	7.0	37.4	6.3
Wisconsin	63.1	17.1	65.7	16.7	65.0	16.1	67.2	16.4
Wyoming	85.6	3.0	86.1	2.6	87.6	2.7	95.3	11.3
Total	56.0	16.5	57.7	17.1	55.5	17.6	56.5	18.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	May		April		March		February	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.4	19.9	79.1	21.2	81.2	21.2	87.2	25.0
Alaska	54.1	99.8	59.7	99.9	61.1	99.8	56.5	99.8
Arizona	80.1	31.9	81.0	26.7	82.2	37.6	90.3	58.5
Arkansas	83.5	7.6	81.2	7.3	92.9	7.8	92.5	9.7
California	54.5	5.1	59.1	7.1	60.3	7.5	61.2	7.9
Colorado	98.7	14.8	98.8	11.2	98.3	11.6	98.1	9.5
Connecticut	79.4	44.1	77.0	28.6	79.3	43.0	80.6	48.4
Delaware	98.6	5.6	98.7	8.5	97.2	9.0	98.2	9.2
District of Columbia	30.8	—	35.0	—	38.3	—	50.3	—
Florida	68.2	4.7	69.0	5.1	70.3	4.0	72.0	4.5
Georgia	44.7	16.0	18.6	19.1	20.0	20.1	20.5	24.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	83.5	2.3	88.0	2.7	88.0	3.6	89.4	3.6
Illinois	33.6	5.2	41.7	8.1	45.4	8.7	46.8	10.6
Indiana	72.0	6.0	79.3	8.4	79.2	8.6	81.0	7.9
Iowa	54.5	4.6	79.3	5.4	84.2	6.3	85.9	8.1
Kansas	56.3	9.1	64.0	5.9	60.8	7.3	68.0	4.9
Kentucky	79.3	18.2	85.5	18.0	85.8	18.0	88.3	22.4
Louisiana	96.8	10.7	97.4	10.7	97.4	11.4	97.9	11.7
Maine	100.0	57.6	100.0	55.1	100.0	57.1	100.0	55.1
Maryland	29.8	5.0	30.3	2.2	38.2	6.2	44.5	7.0
Massachusetts	55.9	13.6	57.6	14.3	60.0	19.0	69.5	20.5
Michigan	51.2	6.0	56.4	7.5	61.3	8.6	63.7	11.1
Minnesota	99.2	60.1	96.1	39.8	95.8	40.9	96.9	35.0
Mississippi	94.3	27.0	95.6	24.7	96.4	25.1	97.0	27.4
Missouri	76.0	13.0	79.9	16.4	82.6	17.7	86.0	20.3
Montana	63.5	1.4	67.7	1.8	74.8	2.4	76.6	2.6
Nebraska	53.8	15.3	56.3	14.8	59.0	16.5	67.3	18.5
Nevada	47.0	3.1	52.6	4.4	59.7	9.4	61.6	8.7
New Hampshire	82.8	43.3	86.0	38.3	94.3	44.8	95.0	32.9
New Jersey	79.1	49.9	52.9	49.9	52.9	50.3	54.0	46.2
New Mexico	52.0	15.8	31.5	17.4	63.8	12.7	65.2	12.6
New York	34.6	3.1	33.3	3.2	34.7	3.3	37.5	5.3
North Carolina	100.0	67.0	99.8	64.5	91.9	32.3	99.2	51.7
North Dakota	82.2	12.9	88.4	18.8	89.3	18.5	89.0	25.9
Ohio	42.6	3.9	45.3	5.3	43.8	6.3	49.4	8.3
Oklahoma	62.2	3.2	70.3	3.9	74.8	4.9	80.5	6.0
Oregon	98.8	6.7	98.8	12.3	98.8	14.7	98.8	15.0
Pennsylvania	56.4	10.5	57.4	10.3	60.1	10.2	61.2	13.2
Rhode Island	60.6	6.1	48.9	6.3	60.1	6.3	62.1	6.2
South Carolina	100.0	89.9	100.0	89.9	96.5	84.0	99.8	86.1
South Dakota	80.2	31.1	95.9	43.6	70.0	45.0	85.4	44.3
Tennessee	91.3	43.3	93.0	35.2	94.1	37.6	93.4	38.0
Texas	74.6	25.9	76.5	27.1	76.8	29.4	80.7	28.7
Utah	76.4	10.3	78.8	7.3	83.8	11.4	88.3	10.4
Vermont	100.0	82.0	100.0	81.5	100.0	80.8	100.0	83.0
Virginia	53.4	13.9	61.5	8.1	63.1	17.4	68.9	17.6
Washington	93.0	25.8	94.7	25.3	96.0	27.5	95.5	26.7
West Virginia	49.0	5.3	51.9	7.9	49.4	5.3	71.9	7.6
Wisconsin	72.4	13.2	77.2	22.1	79.7	22.6	81.4	25.0
Wyoming	89.9	2.0	93.6	1.6	88.0	2.3	92.7	1.7
Total	59.6	17.0	61.2	18.0	62.4	18.2	67.4	19.4

^R Revised Data.

^{NA} Not Available.

— Not Applicable.

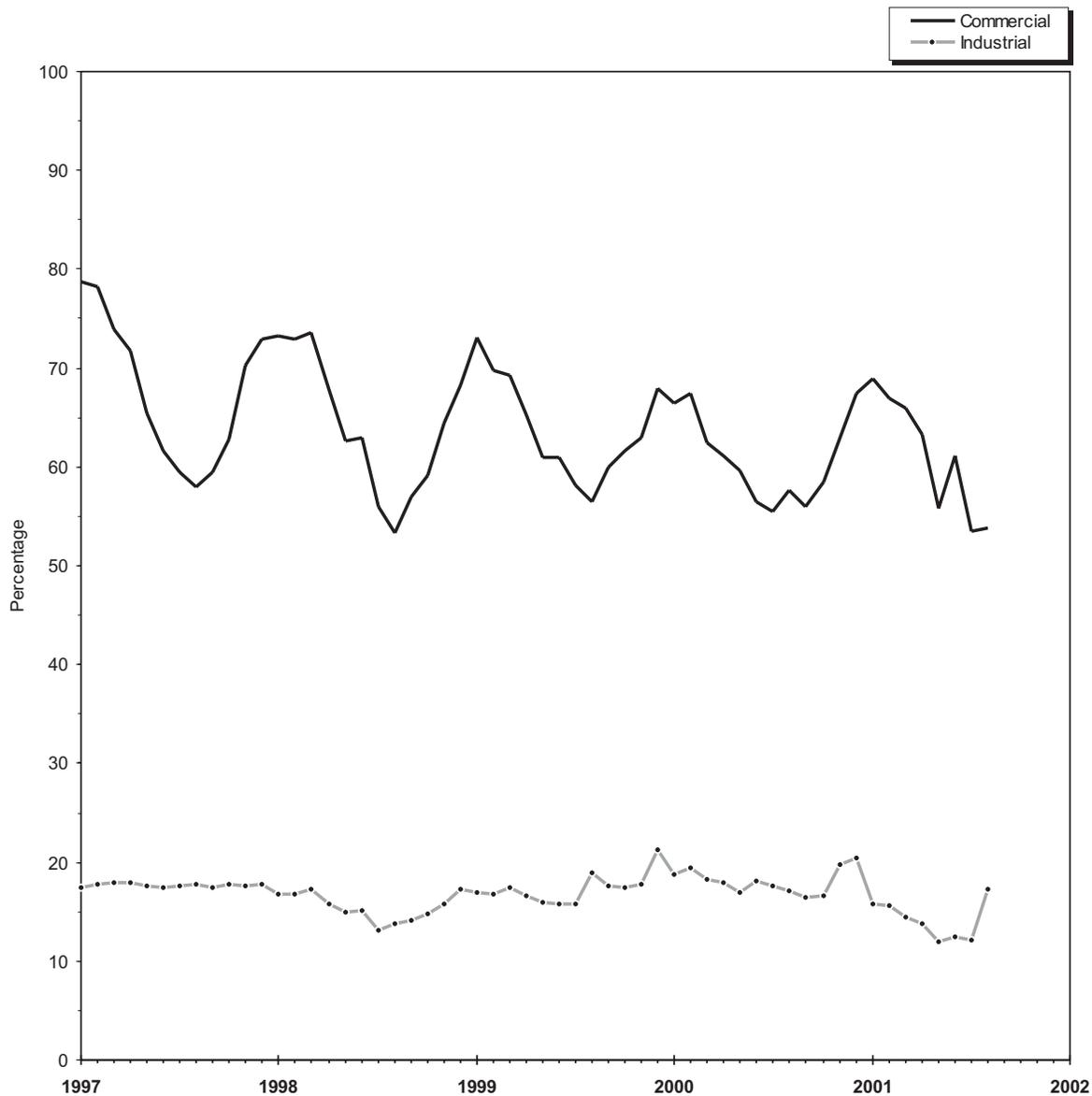
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1997-2001



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 26. Gas Home Customer-Weighted Heating Degree Days

Census Divisions	Cumulative November 1 through November 30				
	Normal ^a	2000	2001	Percent Change	
				Normal to 2001	2000 to 2001
New England					
CT, ME, MA, NH, RI, VT	693	723	597	-13.9	-17.4
Middle Atlantic					
NJ, NY, PA	645	692	490	-24.0	-29.2
East North Central					
IL, IN, MI, OH, WI	730	788	507	-30.5	-35.7
West North Central					
IA, KS, MN, MO, ND, NE, SD	788	921	528	-33.0	-42.7
South Atlantic					
DE, FL, GA, MD and DC, NC, SC, VA, WV	421	499	311	-26.1	-37.7
East South Central					
AL, KY, MS, TN	431	508	307	-28.8	-39.6
West South Central					
AR, LA, OK, TX	279	396	215	-22.9	-45.7
Mountain					
AZ, CO, ID, MT, NV, NM, UT, WY	715	925	618	-13.6	-33.2
Pacific ^b					
CA, OR, WA	342	445	307	-10.2	-31.0
U.S. Average ^b	559	649	421	-24.7	-35.1

^a Normal is based on calculations of data from 1961 through 1990.

^b Excludes Alaska and Hawaii.

Note: See Appendix A, Explanatory

Note 10 for discussion of Heating Degree-Days computations.

Sources: National Oceanic and Atmospheric Administration.

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly (NGM)*. The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported of Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the Short-Term Energy Outlook.

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the *NGM*, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production — carbon dioxide, helium, hydrogen sulfide, and nitrogen — are reported by State agencies on the voluntary Form EIA-895. Eleven of the 33 producing States reported data on nonhydrocarbon gases removed during 1999. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the

year in which the report month falls. States reporting monthly data on nonhydrocarbon gases removed are estimated based on annual data reported on Form EIA-895. States' nonhydrocarbon gases as an annual percentage of gross withdrawals reported is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from

storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data are the sums of monthly data reported on the annual Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report," annual schedule.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous

month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation of sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-895 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data

was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures closing price for near-month delivery at the Henry Hub, and prevailing cash market prices (spot prices) at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is reported in the trade publication, Gas Daily (published by Financial Times Energy). The spot prices are published in another trade publication, Natural Gas Week (Energy Intelligence Group), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through the present. A statistical procedure was adopted beginning with publication of the February 1999 issue of the Natural Gas Monthly. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the Natural Gas Monthly is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate State-wide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition”

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement.

Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget’s approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers were categorized as firm or interruptible. Commercial and industrial consumers were categorized as nonutility power producers or as those excluding nonutility power producers.

Approval of the Form EIA-176 for use through 1999 was received in 1996 from OMB. The form was modified as outlined in the “Change in Definition of Consumption Sector” below.

After being approved by the OMB in 1999, the Form EIA-176 was revised to: (1) change the filing date from April 1 following the end of the report year to March 1 following the end of the report year, (2) remove the requirement to distinguish between firm and interruptible deliveries to consumers; and (3) remove the requirement to distinguish between gas volumes delivered to commercial and industrial consumers having nonutility generation of electricity from those not generating electricity.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 2000 for report year 1999 totaled 1,872 questionnaire packages. To this original mailing, 8 names were added and 18 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,847 responses from approximately 1,400 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,826 responses were entered into the data base, and there were 21 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by March 1st. Extensions of the filing deadline for up

to 30 days are granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

Form EIA-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the

Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month were added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period. Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, all participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data on the quantities of nonhydrocarbon

gases removed in 1999 were reported by the appropriate agencies of 11 of the 33 producing States. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (114,657), Colorado (380,081), and New Mexico (610,062).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base.

Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

EIA-191 Survey, "Monthly Underground Gas Storage Report"

Survey Design

The Form EIA-191, "Monthly Underground Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 140 companies that operate underground facilities file the Form EIA-191. The response rate as of the filing deadline is approximately 20 percent.

Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the December submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publications *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

“Quarterly Natural Gas Import and Export Sales and Price Report”

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, “Annual Report for Importers and Exporters of Natural Gas.” Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the “Quarterly Natural Gas Import and Export Sales and Price Report.” This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers”

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, “Monthly Report of Cost and Quality of Fuels for Electric Plants,” and the Form EIA-759, “Monthly Power Plant Report.”) See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,468 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1999 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability

proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1999. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 386 respondent companies.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value (C_j) were included in the certainty stratum. The formula for C_j was:

$$C_j = \frac{X_{.j}}{2n} \quad (1)$$

where:

C_j = cutoff value for consumer sector j ,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j ,

$X_{i.}$ = the sum within State of annual gas volumes for company i ,

$X_{.j}$ = the sum within State of annual gas volumes in consumer sector j ,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors (X_i). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X_2 = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width

I for selecting the companies systematically was calculated using.

A uniform random number R was selected between zero and $\left(I = \frac{X_2}{m} \right) I$. The first sampled company was

the first company on the list to have a cumulative measure of size greater than R . The second company selected was the first company on the list to have a cumulative measure of size greater than $R + I$. $R + I$ was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In four States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X_2 was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Colorado: companies delivering more than four billion cubic feet of natural gas during 1979 and those delivering less than that amount.

Louisiana: companies delivering only to industrial consumers and other companies.

Texas: companies delivering only to industrial consumers; companies delivering to industrial and commercial consumers only; companies delivering to residential and commercial consumers only; and those delivering to all three sectors.

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sam-

pled. The following annual data are taken from the most recent submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_j}{Y'_j} \quad (3)$$

where:

Y_j = the sum within State of annual gas volumes in consumer sector j for all companies,

Y'_j = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} = y_{.j} \times E_{vj} \quad (4)$$

where:

$V_{.j}$ = the State estimate of monthly gas volumes in consumer sector j ,

$y_{.j}$ = the sum within State of reported monthly gas volumes in consumer sector j .

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V'_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j ,

R_j = the reported revenue from natural gas sales within the State in consumer sector j ,

V'_j = the reported volume of natural gas sales within the State in consumer sector j .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} \times \frac{Y_{.jt}}{Y_{.jt-1}} \quad (5)$$

where:

F_t = imputed gas volume for current month t ,

F_{t-1} = gas volume for the company for the previous month,

$Y_{.jt}$ = gas volume reported by companies in the State stratum for report month t ,

$Y_{.jt-1}$ = gas volume in the previous month for companies in the State stratum that reported in month t .

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to

monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm}^* = V_{jm} + \left[(V_{ja} - V'_{jm}) \left(\frac{V_{jm}}{V'_{jm}} \right) \right] \quad (6)$$

where:

V_{jm}^* = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm}^* = R_{jm} + \left[(R_{ja} - R'_{jm}) \left(\frac{R_{jm}}{R'_{jm}} \right) \right] \quad (7)$$

where:

R_{jm}^* = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^H \left[N_h^2 \frac{(1 - \frac{n_h}{N_h})}{n_h(n_h - 1)} \left(\sum_{i=1}^{n_h} (y_i - Tx_i)^2 \right) \right] \quad (8)$$

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, September 2001

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	31	264	1,848	1,867	0.50	5.29	5.12
Alaska	0	0	0	0	—	—	—
Arizona	9	94	0	94	0.15	0.16	—
Arkansas	23	339	187	388	0.58	0.23	0.79
California	218	59	1,666	1,681	0.05	0.12	0.11
Colorado	75	69	226	248	0.57	0.23	1.42
Connecticut	NA	NA	0	NA	NA	NA	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	197	353	1,297	1,358	0.89	1.12	1.95
Georgia	523	189	4,610	4,643	3.72	4.83	2.34
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	438	4,588	4,108	6,174	0.39	1.04	0.67
Indiana	NA	NA	NA	NA	NA	NA	NA
Iowa	35	25	102	111	0.98	0.56	1.33
Kansas	160	2,381	26,891	26,997	2.52	9.12	3.62
Kentucky	29	288	NA	NA	0.03	3.28	NA
Louisiana	NA	NA	4,025	NA	NA	NA	0.01
Maine	0	0	0	0	—	—	—
Maryland	NA	NA	46	NA	NA	NA	0.25
Massachusetts	0	0	0	0	—	—	—
Michigan	93	31	468	478	0.24	0.25	0.33
Minnesota	321	97	764	834	0.55	0.70	0.65
Mississippi	NA	NA	323	NA	NA	NA	0.90
Missouri	121	137	684	708	0.10	0.77	0.81
Montana	3	4	0	5	0.02	0.08	—
Nebraska	22	18	23	36	0.34	0.03	0.12
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	37	133	704	717	0.51	0.17	—
New York	371	3,285	NA	NA	0.35	0.05	NA
North Carolina	47	32	510	514	0.13	0.07	0.85
North Dakota	0	0	0	0	—	—	—
Ohio	121	811	1,721	1,906	0.27	0.36	11.37
Oklahoma	130	3,505	368	3,527	0.79	1.11	2.69
Oregon	0	0	0	0	—	—	—
Pennsylvania	41	293	2,812	2,828	0.82	0.34	0.02
Rhode Island	0	0	NA	NA	—	—	NA
South Carolina	26	237	632	675	1.24	0.39	0.54
South Dakota	0	0	0	0	—	—	—
Tennessee	340	986	764	1,292	2.90	4.20	2.27
Texas	425	1,899	8,835	9,047	0.27	0.15	0.20
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	63	62	503	511	0.20	0.76	0.25
Washington	0	0	NA	NA	—	—	NA
West Virginia	10	425	567	709	0.27	0.13	1.75
Wisconsin	0	0	0	0	—	—	—
Wyoming	3	24	38	46	0.27	0.33	1.51
Total	1,184	7,487	30,205	31,142	0.17	0.13	0.32

NA Not Available.
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Articles, Special Focuses and Special Reports

A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

Feature Articles

<i>Natural Gas 1998: Issues and Trends - Executive Summary</i>	April 1999
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>EIA Corrects Errors in EIA's Drilling Activity Estimates Series</i>	March 1998
<i>Recent Trends in Natural Gas Spot Prices</i>	December 1997
<i>Natural Gas Residential Pricing Developments During the 1996-97 Winter</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Intricate Puzzle of Oil and Gas Reserves Growth</i> "	July 1997
<i>Restructuring Energy Industries: Lessons from Natural Gas</i>	May 1997

Special Focuses

<i>Impact of Interruptible Natural Gas Service on Northeast Heating Oil Demand</i>	January 2001
<i>Status of Natural Gas Pipeline System Capacity Entering the 2000-2001 Heating Season</i>	October 2000
<i>Corporate Realignments and Investments in the Interstate Natural Gas Transmission System</i>	October 1999
<i>Deliverability on the Interstate Natural Gas Pipeline System</i>	May 1998
<i>Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary</i>	September 1997
<i>Worldwide Natural Gas Supply and Demand and the Outlook for Global LNG Trade</i>	August 1997
<i>Outlook for Natural Gas Through 2015</i>	January 1997
<i>Natural Gas Productive Capacity</i>	January 1997

Special Reports

<i>U.S. Natural Gas Imports and Exports 2000</i>	September 2001
<i>Natural Gas Winter Outlook 2000-2001</i>	October 2000
<i>U.S. Natural Gas Imports and Exports - 1999</i>	August 2000
<i>Natural Gas 1999: A Preliminary Summary</i>	May 2000
<i>Next Generation * Natural Gas (NG)² Information Requirements — Executive Summary</i>	February 2000
<i>Increasing Importance of Natural Gas Imports on the U.S. Marketplace</i>	February 2000
<i>Natural Gas Winter Outlook 1999-2000</i>	October 1999
<i>U.S. Natural Gas Imports and Exports - 1998</i>	August 1999
<i>Retail Unbundling</i>	July 1999
<i>Natural Gas 1998: A Preliminary Summary</i>	April 1999
<i>U.S. Natural Gas Imports and Exports - 1997</i>	August 1998
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>Natural Gas 1997: A Preliminary Summary</i>	April 1998
<i>Comparison of Natural Gas Storage Estimates from the EIA and AGA</i>	October 1997
<i>U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed</i>	September 1997
<i>U.S. Natural Gas Imports and Exports - 1996</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Natural Gas 1996: Highlights</i>	April 1997
<i>Natural Gas Pipeline and System Expansions</i>	April 1997
<i>Natural Gas Analysis and Geographic Information Systems</i>	March 1997

Appendix E

Technical Contacts

Section	Tables	Frequency	Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
		Annual:		
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Extraction Loss	1	Monthly:	EIA computations	Margaret Natof (202)586-6303
		Annual:	Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	
Supplemental Gaseous Fuels	2	Monthly:	EIA computations	Margaret Natof (202)586-6303
		Annual:	Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	
Imports and Exports	2	Monthly:	EIA computations	Margaret Natof (202)586-6303
		Annual:	Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly:	EIA computations	Sylvia Norris (202)586-6106
		Annual:	Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Margaret Natof (202)586-6303
Producer Related Activities: Natural Gas Production	7,8	Monthly:	Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly:	Form EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	15	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
	16			
	17			
	18			
	19			
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	20	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
	21			
	22			
	23			
	24			
	25	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depleted Storage Field: A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate

company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.